

Technical Report 09-07

**The Development of K-8 Progress Monitoring Measures in
Mathematics for Use with the 2% and General Education
Populations: Grade 6**

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Abstract

In this technical report, we describe the development and piloting of a series of mathematics progress monitoring measures intended for use with students in grades kindergarten through eighth grade. These measures, available as part of easyCBM™, an online progress monitoring assessment system, were developed in 2007 and 2008 and administered to approximately 2,800 students per grade from schools across the United States in November and December of 2008 using a common item design to allow all items to be estimated on the same scale within each grade level. We analyzed the results of the piloting using a one parameter logistic (1PL) Rasch analysis. Because the results of these analyses are quite lengthy, we present the results for each grade's analysis in its own technical report, all sharing a common abstract and introduction but unique methods, results, and discussion sections.

Introduction

Progress monitoring assessments are a key component of many school improvement efforts, including the Response to Intervention (RTI) approach to meeting students' academic needs. In an RTI approach, teachers first administer a screening or benchmarking assessment to identify students who need supplemental interventions to meet grade-level expectations, then use a series of progress monitoring measures to evaluate the effectiveness of the interventions they are using with the students. When students fail to show expected levels of progress (as indicated by 'flat line scores' or little improvement on repeated measures over time), teachers use this information to help them make instructional modifications with the goal of finding an intervention or combination of instructional approaches that will enable each student to make adequate progress toward achieving grade level proficiency and content standards. In such a system, it is critical to have reliable measures that assess the target construct and are sensitive enough to detect improvement in skill over short periods of time. Because both terms are relevant to our item writing efforts, we first provide a brief synthesis of the literature on 'universal design for assessment' and then describe what is meant by 'the 2% population' before we describe the actual methods used in item creation, piloting, and evaluation.

Universal Design for Assessment

Universal Design for Assessment (UDA) is an approach to creating assessments in which test developers try to make their measures accessible to the widest population of students by incorporating design features that will reduce the barriers to students being able to interface successfully with the test items. In creating our mathematics items, we referred to both the National Center on Educational Outcomes' *A State Guide to the*

Development of Universally Designed Assessment (Johnstone, Altman, & Thurlow, 2006) and the *Test Accessibility and Modification Inventory* by Beddow, Kettler, and Elliott (2008).

Assessments that are universally designed encourage testing conditions that are accessible and fair to students with special needs as well as to those in the general education population. Universally designed assessments should: (a) measure true constructs while eliminating irrelevant ones, (b) recognize the diversity of the test-taker population, (c) be both concise and clear in their language, (d) have clear format and visual information, and (e) include the ability to change formatting without compromising the meaning or difficulty of the assessment results. Universally designed assessments aim to provide valid interpretation of all test-takers' abilities and skills, including those with disabilities (Johnstone, Altman, & Thurlow, 2006).

In addition to the guidelines by Johnstone et al. (2006), we focused on reducing the cognitive complexity of the mathematics items we created in an attempt to tighten the connection between the targeted construct within the NCTM mathematics Focal Point Standards and the math items. From a cognitive science perspective, cognitive complexity relates to the degree to which a particular situation requires an individual to engage in the problem solving processes. In terms of assessments, cognitive complexity can be altered by changing the way in which a problem is represented (the degree to which it requires a test taker to engage in abstract thinking to reach a solution); by limiting or expanding the necessity for planning and use of strategy; by requiring different levels of self-monitoring and evaluation; and by emphasizing or de-emphasizing the use of metacognition to explain one's understanding of the problem and its solution or

to generalize or abstract the outcome (Stevens, 2007, personal communication).

The principles of universal design for assessment guided our item creation efforts. In addition, we sought to reduce the cognitive complexity of our items through reducing the steps students would need to take to solve the math items, by reducing the language and working memory load of our items, and by consciously attempting to reduce the chance that extraneous information provided in the mathematics question stem or answer choices would confuse students. Our goal was to create mathematics items that would be appropriate for use with students from both general education and the 2% population as well as for English language learners.

The 2% Population

The *Title I—Improving the Academic Achievement of the Disadvantaged; Individuals With Disabilities Education Act (IDEA)*, allows approximately 20% of students with disabilities to be assessed on grade-level content standards but with modified academic achievement standards. This subgroup of students with disabilities is frequently referred to as ‘the 2% student population’ because federal legislation allows states to designate up to 2% of their total student population as those for whom this would be the most appropriate assessment scenario. The 2% student population may include students with disabilities (excluding the ones with the most severe cognitive deficits) or those with lower academic performance who do not respond to reading interventions persistently (McMaster, Fuchs, Fuchs, & Compton, 2005; Torgensen, Alexander, Wagner, Rashotee, Voeller, & Conway, 2001).

Germane to our work here, it is important to emphasize that students in the 2% population are expected to be assessed on grade-level content standards, but their

achievement standards may not be as high as those set for students from the general education population. Thus, in developing our mathematics item bank, we sought to create math items that would appropriately target the grade-level content standards yet would do so in a way that would render them accessible to a wider range of student ability than might be typically expected of assessment items. Our focus on reducing the cognitive and linguistic complexity of items as well as on designing the computer interface and features of the items themselves to reduce the impact of construct irrelevant barriers to student understanding was intended to provide a bank of items from which we could draw mathematics problems representing a wide range of difficulty yet all aligned to grade-level content standards.

Methods

In this technical report, we explain the development of mathematics progress monitoring measures designed for use with students in grades K-8. This development included three key steps: (a) creation of an item bank, (b) piloting of all items in the item bank to determine their difficulty, reliability, and appropriateness for use with the intended grade level, and (c) organizing of the items into a series of benchmark and progress monitoring assessments. We begin by describing the process of item creation, including background about the item specifications and guidance given to item writers during the development of the individual mathematics items. Then, we explain the piloting of the mathematics items. We outline the process we used to create multiple comparable alternate forms of progress monitoring and benchmarking assessments using the item bank information. Finally, we describe how the mathematics measures designed for use with students from the 2% population differ slightly from those designed for use

with students from the general education population, yet both share key components of universal design and are aligned to grade-level content standards.

Item Development

We used the National Council of Teachers of Mathematics (NCTM) Focal Point Standards in Mathematics as the basis for our item creation. These standards were introduced by the NCTM in 2006, and were adapted by the Oregon Department of Education and then formally adopted by the state for use to guide classroom instruction as well as statewide assessment in 2008. All items were written to target one sub-domain within a particular Focal Point Standard, with item-writers specifically referencing the intended sub-domain in the item database during item writing.

Item writer qualifications. Eight item writers were recruited from across Oregon. These individuals had experience in teaching and mathematics. Five of the item writers had worked extensively with students in Special Education programs and were familiar with their educational needs. Specific background information is provided about each of the item writers. Item writer #1, who had a Master’s degree in Computer Programming, had a strong background in mathematics. He had been providing tutoring and home schooling in math since 1990. Item writer #2 had a Master’s degree in Special Education. She had taught pre-Kindergarten through 5th grade and had completed 1.5 years of research work in assessment. Item writer #3 had the following qualifications: BS in Elementary Education with a Reading Endorsement; work experience with students in kindergarten and elementary grades and preschoolers with special needs; teaching experience as a substitute teacher and tutor for adults. Item writer #3 had also consulted and developed curriculum professionally. Item writer #4 had a BA in Health Education, a

Master’s of Arts in Teaching (K-8 Elementary Endorsement), and additional university credits for math education. In addition to teaching students in first through fourth grade for 13 years, item writer #4 had also attended NCTM Conferences.

Item writer #5 was a retired middle school teacher who had taught students with special needs. She had a BS in Elementary Education with a Reading Endorsement (K-12) and had 25 years of teaching experience. Item writer #6 held a Master’s degree in Special Education and a BA in Developmental Psychology. Her experiences included: working as a Special Education teacher and Program Coordinator for a social service program; eight years of supporting individuals with developmental disabilities; and designing functional academic curricula in mathematics, reading, and social skills.

Item writer #7, a fifth-year Ph.D. candidate in developmental psychology, had a Bachelor’s and a Master’s degree also in developmental psychology. While item writer #7 had completed relevant coursework such as statistics, research methods, developmental psychology, language acquisition, linguistics, and social cognition, she had also taught undergraduate-level courses including Child Development, Cognitive Development, and Language Acquisition. Finally, item writer #8 received a BA in Humanities with a concentration in Education and a Master’s in Special Education. He had 3 years of experience teaching English in grades K-16 and was working in a research organization on projects related to assessments at the time he was writing mathematics items for this project. All item writers started the writing process in October 2007. The item bank was completed in August 2008.

Guidance given to item writers. Item writers were informed that the goal of this project was to create math items that would be appropriate for the 2% student population.

In describing this student population, they were told to picture students with very low academic performance, who receive special education services, and who would also likely receive significant support in the general education classrooms.

Item writers were provided specific guidelines on how they should approach the item writing process. Two major points were emphasized: (a) the importance of writing math items that reduced the cognitive complexity of the tasks, and (b) the need to preserve the integrity of the items by connecting them to grade-level content standards. Although the item-writers were told that researchers are still operationally defining the meaning of ‘reducing cognitive complexity,’ they were given some basic ideas to consider while completing the item-writing tasks.

First, item writers were encouraged to pick an approach that required the least amount of manipulation on the part of the student. They were reminded that there are usually several ways in which one can structure or represent mathematics operations. Examples were given to demonstrate math items that would require the least amount of manipulation in the process. Item writers were requested to write items in this manner consistently across all types of calculation problems in all formats.

When selecting numbers for use in math problems, item writers were encouraged to select numbers that were relatively easy to compute. By using easier numbers, students could demonstrate mastery of the content standard concept while reducing the likelihood that a computational error would interfere with measurement of the construct being assessed. Item writers were also asked to be selective with their word choices. They were strongly encouraged to use simple language (short words and declarative sentences). The emphasis on simple language was designed to reduce the chance that words would

present a barrier to assessing students' ability to demonstrate their mathematical knowledge.

The overall goal in item writing was to focus students' attention on a single idea. Therefore, it was essential for item writers to: (a) have in-depth understanding of the material, (b) spend time thinking of their audience, (c) be clear and concise in their writing, and (d) avoid irrelevant language and clues when writing the items.

Other specific guidelines provided to item writers included the following:

1. Address key verbs such as 'recall,' 'analyze,' 'construct,' and 'recognize' that are used in the NCTM Standards;
2. Include necessary information in the questions so that answer choices are represented in the most simplistic and comprehensible manner;
3. Keep grammar structure parallel between a question and each answer option;
4. Avoid certain word choices in answer options such as 'All of the above,' 'None of the above,' negatives and double negatives;
5. Keep answer options similar in length and complexity levels; and
6. Ensure that all answer choices are mutually exclusive.

To increase the alignment between items in consecutive grade levels, the year-long task of writing approximately 1,100 items per grade level was divided into 23 sets, each addressing a pre-determined Focal Point Standard. Each set included 50 items per grade level in three grade levels, or 150 math items in all. Thus, for each set of items, each item writer wrote math problems aligned with similar Focal Point Standards for three grades. Item writers completed their work on three separate Excel files that were pre-formatted and named by the researchers. Item writers were encouraged to write items

so that the difficulty level progressed smoothly from grade to grade. They were asked to create multiple-choice test items with three answer choices to address the Standards.

Although examples of test items were given, item writers were given the freedom to devise comparable questions that met the Standards. Because copies of the general and specific Standards were provided to the item writers, they were expected to study and understand the Standards' requirements. Item writers were reminded of the importance of producing items that met the Standards with the following characteristics: (a) items should be simple, direct, and in the most basic form of the Standard requirements; (b) complexity should be reduced whenever possible; (c) items should use vocabulary, background knowledge and topics appropriate for students in the target grade level; and (d) the language should be simple, avoiding use of idioms, long words, passive voice, and unnecessary clauses.

Item writers were provided the EDL Core Vocabulary list as a reference for determining appropriate grade-level words to use in items and distractors. They were asked to try to use words a minimum of 2 grade levels below the grade level for which they were writing whenever possible. Finally, researchers stressed the importance of creating original items, although item writers were given print and online resources as sources of inspiration, ideas, or information.

In writing the distractors, item writers were reminded to maintain three answer choices that were similar in length and complexity level, differing only in content. When constructing incorrect choices, they were informed that these distractors should be relevant to the problem. Item writers were requested to use related words or numbers in the distractors, so that each answer choice appeared to be a relevant option.

Design of graphics. As item writers finished their sets, they provided rough sketches and descriptions of the graphics needed to complete each item. These sketches and descriptions were sent to a computer graphic artist, who created original computer renderings of each image required by the items. These graphics were then saved as .png files in a database and later imported to the online mathematics test interface.

Design of computer interface. Because these items were designed specifically for use in online computer delivered assessments, the research team worked closely with the computer programmer to ensure that the items would be able to be displayed appropriately in an online testing environment. The computer programmer provided guidance in the original item writing specifications, assisting with the development of computer code to enable a reliable and efficient transfer of the items from the Excel files provided by the item writers to the computer database and subsequent online display of the items.

Items were designed to be displayed one at a time on the screen, with a large text box on the left side of the screen where the question stem/item was displayed and the three answer options on the right side of the screen, along with the answer choice “I don’t know” (see Figure 1). Students select their answer by clicking anywhere in the large rectangular area corresponding with the answer option they want to pick. Once they are satisfied with their response, they click the “Next” button at the bottom right corner of their screen, and the computer displays the next item. Once a student has clicked on the “Next” button, they are not able to go back to a previous item.

The size of the question stem and answer options is optimized for display without requiring any ‘scrolling’ to view all parts of the question and all possible answer options.

However, should they need to enlarge the text to enable them to read it better, students are able to magnify the size of the display by adjusting their computer’s view to zoom in. The program is designed to be compatible with Firefox, Safari (on a Mac Operating System), and Internet Explorer (on a Windows Operating System).

Each time a question is displayed, the computer randomizes the order of the answer options, except that the “I don’t know” option is always retained as the final answer option on the page. Thus, even when two students are looking at the same question at the same time, it is likely that the answer options will appear in a different order on the right side of their screen. This random display feature built into the programming helps reduce the impact of cheating.

1 2 3 4 5

Which has triangle faces?

2

1

5

I don't know

Next ➔

Figure 1
Sample Question Illustrating Computer Display of Item

Item Review Process

A team of six researchers reviewed all items beginning June 2008. These researchers all had experience with assessment and item creation. Two of the researchers had earned doctorates in education, one with an emphasis on assessments. One of the researchers had a Master's in Special Education and had participated in a special program throughout his graduate studies focused on educational assessments. He had been the primary contact for the item writers for the previous year and was very familiar with the project. Of the remaining three researchers, one was a Ph.D. student in Educational Leadership, one was a Master's student in Speech Language Pathology, and one was a full-time research assistant at a research institute at the university where this research was conducted.

During the item review process, the researchers studied specific aspects of the items, including general clarity and alignment with the standards, formatting, wording, and answer choices. Researchers reviewed the items individually and as a group. Each researcher spent on average ten hours per week from June to July 2008 reviewing items individually. Beginning in July and continuing for 6 weeks, the team met regularly as a group in 2-3 hour meetings, 5 days a week. During group reviews, the team focused primarily on standardizing formats, verifying answer choices, and identifying errors. As errors were found, they were corrected, resulting in approximately 6,600 items to be piloted in the fall of 2008.

Item Piloting

Teachers from grades K-8 were recruited to participate in the pilot in three ways: through announcements posted on the easyCBM (Alonzo, Ulmer, Tindal, & Glasgow,

2006) and DIBELS websites, through direct recruitment of teachers using existing cooperative relationships between the districts and the research institute that developed the assessments, and through word of mouth. Item piloting for Kindergarten through Fourth Grade began on November 10th and ended on December 5th. Item piloting for Fifth Grade began on November 10th and ended on December 15th. Districts interested in participating in the piloting were provided a letter of introduction that described the piloting process and explained that to protect confidentiality, no identifying information would be collected on students, teachers, schools, or districts participating in the piloting.

Teachers were provided with specific instructions on how to access the piloting website and were instructed to have their students select their appropriate grade level from the list of grades provided and then to monitor while their students completed the online test. Students were encouraged to use scratch paper if they needed it, but use of calculators was prohibited. Each student was presented with 25 items each time he/she logged in to the testing website. The first 20 items on each test were randomly selected by the computer from the approximately 1,100 items available at that grade level. The final 5 items on each grade level test were always the same. These five items, selected for their range of difficulty and coverage of all Focal Point Standards within a grade level, were kept constant to allow for calibrating all items within a grade level to the same scale. In keeping with Kolen and Brennan's (2004) recommendation, these five items always appeared in the same order and place on each test.

Data Analysis

To analyze the items, we used a 1PL Rasch model and the software Winsteps 3.61 (Linacre, 2006). We chose the one parameter model rather than a more complicated one

for our analysis out of a desire for parsimony and because it appears to fit the data quite well. Because we gave students the option of selecting “I don’t know,” we hoped to reduce the potential impact of guessing. Key item parameters we analyzed include *Mean Square Outfit* (items falling outside the desired range of 0.50 to 1.50 were examined in greater detail before being retained in the item bank for future use, *Standard Error of Measure*, and *Measure* (an estimate of the item’s difficulty). In addition to these item parameters, we also analyzed how the distractors functioned. In all cases, we sought to retain for our item bank items where students with the highest average estimated ability selected the correct answer choice, while students with lower average estimated ability selected the two other answer choices. We also sought items with a wide range of difficulty, cognizant of the need to have enough items to use for assessments designed for use with students from the 2% population as well as with students from the general education population.

Results

Data from each grade level were analyzed separately. In all, we analyzed 173 Kindergarten items, 243 Grade 1 items, 1,167 Grade 2 items, 1,167 Grade 3 items, 1,149 Grade 4 items, 1,150 Grade 5 items, 953 Grade 6 items, 912 Grade 7 items, and 902 Grade 8 items. The results of these analyses are reported separately by grade, each in its own technical report.

Grade 6

Of the Grade 6 items, 43 items were over-fit (Mean Square Outfit ranging from 0.25 to 0.49 with an average Mean Square Outfit of 0.42). Because distractor analysis indicated that all over-fit items were functioning appropriately (students with the highest

average estimated ability selected the correct answer choice, while students with lower estimated ability selected distractors), all over-fit items were retained for the item bank. In addition to the over-fit items, 84 items were under-fit (Mean Square Outfit ranging from 1.51 to 7.45 with an average Mean Square Outfit of 2.16). Of these, 68 items were retained for the item bank when distractor analysis indicated that they were functioning appropriately. In all, 16 items were removed from the Grade 6 item bank because distractor analysis indicated that the correct answer choice was not selected by the students with the highest average estimated ability. Table 1 presents the results of the Rasch analysis for the Grade 6 items, while Table 2 presents the results of distractor analysis.

Discussion

We used the results of the Rasch analysis to select items from the item bank to use in the creation of ten alternate forms of progress monitoring measures and three benchmark screener forms appropriate for use with students in sixth grade for each of the three Focal Point Standards, resulting in a total of 30 sixth-grade math progress monitoring measures and nine benchmark screeners. Each form of the measures was comprised of 16 unique items, and all alternate forms within each Focal Point were of comparable difficulty, as determined by calculating the mean *measure* of the items on each form.

Table 3 lists this information for the *Number and Operations: Connecting ratio and rate to multiplication and division* measures. Mean measure of forms 1 – 10 of the *Number and Operations: Connecting ratio and rate to multiplication and division* progress monitoring measures ranged from -0.29 to -0.28, with an average of -0.29 across

all ten forms. Mean measure of forms 1 – 3 of the *Number and Operations: Connecting ratio and rate to multiplication and division* benchmark measures was -0.29 across all three forms. Table 4 lists information about each of the alternate forms of the *Algebra* measures for Grade 6. Mean measure of forms 1 – 10 of the *Algebra* progress monitoring measures ranged from -0.28 to -0.27, with an average of -0.27 across all ten forms. The average mean measure of forms 1 – 3 of the *Algebra* benchmark measures was -0.27 across all three forms. Table 5 lists the alternate forms of the progress monitoring and benchmark measures aligned with the *Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals* Focal Point Standards. Mean measure of forms 1 – 10 of the *Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals* progress monitoring measures ranged from 0.54 to 0.56, with an average of 0.55 across all ten forms. Mean measure of forms 1 – 3 of the *Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals* benchmark measures ranged from 0.56 to 0.55, with an average of 0.55 across all three forms. Table 5 lists information about each of the alternate forms of the *Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals* measures for sixth grade.

Thus, within the progress monitoring measures developed for use in sixth grade, those aligned with the *Number and Operations: Connecting ratio and rate to multiplication and division* Focal Point Standard are designed to be the easiest, followed by those aligned with the *Algebra* Focal Point Standard. The measures aligned with the *Number and Operations: Developing an understanding of and fluency with multiplication*

and division of fractions and decimals Focal Point Standard are designed to be the most challenging of the sixth-grade progress monitoring mathematics measures on easyCBM™.

Table 1
Results of Rasch Analysis, Grade 6

Item	Focal Point	Domain	Measure	Count	Score	Error	Mean Square Outfit	Discrim
60001	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.76	58	44	0.34	1.07	0.96
60002	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.08	54	32	0.32	1	1.12
60003	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.8	54	40	0.35	0.67	1.21
60004	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.87	54	21	0.32	0.98	1.04
60005	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.62	55	35	0.31	0.78	1.24
60006	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.15	54	34	0.32	0.7	1.42
60007	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.63	56	19	0.31	0.92	1.11
60008	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.68	55	27	0.31	0.87	1.14
60009	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.53	54	26	0.31	0.82	1.25
60010	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.39	53	24	0.31	1.3	0.32
60011	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.89	54	25	0.31	1.33	0.53

60012	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.88	2443	1056	0.05	1.32	0.56
60013	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.93	57	24	0.29	0.94	1.13
60014	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.56	51	26	0.32	1.33	0.43
60015	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.07	54	31	0.32	0.89	1.06
60016	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.06	55	34	0.32	0.65	1.41
60017	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.17	52	41	0.38	0.76	1.14
60018	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-2.82	61	57	0.53	1.2	0.96
60019	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.32	52	33	0.32	0.67	1.48
60020	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.26	55	22	0.31	0.97	1.08
60021	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.33	55	21	0.32	1.02	0.9
60022	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.24	53	13	0.36	2.33	0.56

60023	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.03	56	33	0.31	0.95	0.93
60024	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-1.53	56	45	0.36	0.73	1.08
60025	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.95	53	40	0.35	0.82	1.14
60026	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-1.01	55	43	0.35	0.76	1.13
60027	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.63	56	19	0.33	1.53	0.44
60028	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.79	56	14	0.35	0.94	1.07
60029	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.14	57	14	0.36	1.91	0.7
60030	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.78	55	26	0.31	0.74	1.39
60031	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.2	54	32	0.32	0.53	1.66
60032	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.24	53	32	0.32	0.47	1.78
60033	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.37	54	20	0.34	0.64	1.31
60034	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-1.23	54	46	0.42	0.38	1.31
60035	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.07	53	35	0.32	0.67	1.35
60036	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.09	55	32	0.3	0.77	1.31

60037	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.65	53	38	0.34	0.86	1.05
60038	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.45	54	19	0.33	1.08	0.88
60039	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.35	2440	1297	0.05	1.07	0.89
60040	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.2	55	32	0.3	0.64	1.62
60041	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	2.69	54	8	0.42	2.45	0.72
60042	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	2.2	54	11	0.37	1.23	0.92
60043	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.48	54	29	0.31	1.81	-0.2
60044	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.38	53	31	0.31	1.05	0.79
60045	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.09	53	33	0.32	0.83	1.19
60046	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.2	54	30	0.32	0.81	1.2
60047	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.7	54	14	0.35	1.14	0.93
60048	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.14	55	35	0.32	0.88	1.23

60049	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.95	56	26	0.3	0.7	1.37
60050	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.55	56	40	0.33	0.62	1.32
60051	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.93	55	41	0.34	0.63	1.35
60052	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.82	55	41	0.35	3.05	0.23
60053	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.74	54	38	0.34	0.79	1.03
60054	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.03	52	30	0.31	0.7	1.58
60055	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.26	53	34	0.34	1.74	0.34
60056	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.42	55	29	0.31	1.13	0.79
60057	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.18	56	20	0.32	1.42	0.68
60058	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.51	53	35	0.33	0.67	1.37
60059	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.73	56	43	0.35	0.78	1.14
60060	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.07	55	43	0.36	0.69	1.18
60061	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.13	56	50	0.46	1.1	0.93
60062	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94	57	42	0.33	1.08	0.92
60063	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.42	56	45	0.37	0.68	1.15
60064	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.95	53	19	0.32	0.69	1.39
60065	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94	56	43	0.35	1.16	0.93

60066	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.47	57	47	0.38	0.58	1.21
60067	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.23	57	47	0.37	0.98	1
60068	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-3.14	55	52	0.66	4.18	0.97
60069	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.06	56	43	0.36	0.77	1.2
60070	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.22	57	36	0.32	0.91	1.37
60071	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.51	56	38	0.32	0.69	1.28
60072	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.29	57	27	0.3	1.35	0.4
60073	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.52	57	26	0.31	1.48	0.3
60074	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.32	55	34	0.31	1.14	0.57
60075	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.24	55	35	0.32	0.64	1.49
60076	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.34	54	28	0.31	0.69	1.55
60077	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.44	54	16	0.34	1.45	0.66
60078	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.35	56	18	0.32	1.17	0.9
60079	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.43	56	25	0.3	1.52	0.34
60080	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.91	56	21	0.32	1.24	0.67
60081	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.65	54	27	0.31	1.71	0.1

60082	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.8	53	21	0.32	1.18	0.83
60083	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.61	53	23	0.31	0.97	1.02
60084	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.13	54	17	0.33	0.88	1.23
60085	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.76	53	26	0.32	1.21	0.81
60086	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.11	53	33	0.34	0.84	1.12
60087	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.73	54	45	0.4	0.84	0.91
60088	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.05	53	40	0.35	0.69	1.22
60089	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.67	53	44	0.39	0.59	1.2
60090	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.05	53	21	0.32	1.24	0.52
60091	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.28	56	33	0.31	0.77	1.32
60092	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.79	57	50	0.44	0.59	1.2
60093	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.61	56	47	0.4	0.74	1.12
60094	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.1	56	44	0.36	0.9	1.05
60095	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.14	56	29	0.31	1.01	0.96
60096	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.84	55	39	0.33	0.87	1.14
60097	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.31	57	46	0.36	0.66	1.14
60098	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.63	55	47	0.42	0.44	1.24
60099	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.13	55	37	0.34	1.19	1.12

60100	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	2.25	57	13	0.36	0.85	0.98
60151	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.54	55	38	0.32	1	0.98
60152	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	2.39	55	9	0.38	1.34	0.87
60153	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.49	57	17	0.32	0.75	1.22
60154	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	3.11	58	6	0.46	3.22	0.6
60155	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-1.66	51	42	0.41	0.62	1.16
60156	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	2.29	55	8	0.4	1.56	0.8
60157	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.81	66	30	0.27	1.33	0.21
60158	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.63	64	19	0.31	1.01	1.1
60159	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.47	61	22	0.29	1.19	0.42
60160	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.01	57	12	0.35	2.56	0.61
60161	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.45	57	20	0.31	0.96	1.09
60162	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.13	60	39	0.3	0.91	1.07

60163	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.69	54	15	0.33	1.22	0.74
60164	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.59	56	17	0.35	1.9	0.71
60165	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.32	59	9	0.39	1.55	0.87
60166	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-3.88	54	52	0.8	1.24	0.75
60167	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.36	64	40	0.3	1.03	0.87
60168	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.18	60	37	0.31	0.62	1.47
60169	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.61	54	39	0.33	1.15	0.8
60170	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.93	51	38	0.36	0.61	1.29
60171	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.57	52	17	0.34	1.35	0.71
60172	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.9	55	7	0.46	1.16	0.79
60173	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.06	53	30	0.31	0.72	1.52
60174	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.67	60	15	0.34	1.5	0.9

60175	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.88	57	25	0.31	0.79	1.28
60176	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.92	59	20	0.31	1.12	1.08
60177	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.37	57	11	0.38	1.47	0.71
60178	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.05	54	20	0.33	1.12	0.84
60179	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.44	63	22	0.29	1.35	0.61
60180	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.76	53	21	0.33	1.03	1.07
60181	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.05	60	36	0.3	0.8	1.24
60182	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.68	55	24	0.31	1.16	0.88
60183	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.03	56	33	0.31	1.03	1.02
60184	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	2.37	55	10	0.38	0.8	1.16
60185	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.51	57	20	0.33	0.58	1.35
60186	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.02	57	32	0.3	1	1.02
60187	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.05	60	35	0.29	0.64	1.77
60188	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.26	54	28	0.31	1.23	0.91

60189	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.42	57	36	0.32	0.65	1.36
60190	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.35	55	18	0.31	1.13	0.89
60191	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.09	55	34	0.31	0.85	1.22
60192	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.61	53	21	0.32	0.93	1.34
60193	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.71	52	38	0.35	0.9	1.07
60194	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.07	55	32	0.31	0.83	1.39
60195	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.41	53	27	0.31	1.03	0.88
60196	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.41	55	25	0.31	0.81	1.32
60197	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.12	53	34	0.32	0.76	1.24
60198	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.34	53	30	0.32	1.07	1.01
60199	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.44	55	29	0.31	1.06	0.92
60200	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.05	53	31	0.32	1.2	0.72
60201	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.08	51	39	0.39	0.82	1.04

60202	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.79	56	41	0.34	0.64	1.38
60203	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.46	55	39	0.33	0.9	1.08
60204	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.63	55	47	0.41	0.62	1.14
60205	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.51	55	47	0.42	0.67	1.11
60206	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.33	54	45	0.4	0.55	1.24
60207	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.94	55	52	0.64	0.47	1.02
60208	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.55	55	38	0.33	1.08	0.86
60209	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.24	63	37	0.28	0.9	1.17
60210	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.36	55	37	0.31	1.09	0.9
60211	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.69	53	44	0.41	1.11	0.67
60212	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.9	52	38	0.35	0.65	1.36
60213	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.09	54	31	0.31	0.82	1.21
60214	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.17	54	40	0.35	0.58	1.37
60215	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.25	56	44	0.35	1.38	0.78
60216	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94	57	43	0.35	0.79	1.27
60217	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.38	56	43	0.36	0.64	1.2
60218	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.08	59	23	0.3	0.9	0.9
60219	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.81	55	16	0.34	1.65	0.94
60220	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.36	58	11	0.37	2.56	0.63

60221	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.74	56	42	0.34	0.55	1.38
60222	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.91	57	44	0.36	0.91	1.04
60223	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.29	54	44	0.39	0.72	1.07
60224	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-2.24	56	51	0.51	1.22	1.03
60225	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.73	56	47	0.43	0.53	1.15
60226	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.15	57	45	0.36	1.03	0.87
60227	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.38	56	21	0.31	1.22	0.7
60228	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.06	58	37	0.31	0.95	1.04
60229	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.87	57	24	0.3	1.59	-0.01
60230	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.59	56	29	0.3	1.06	0.85
60231	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.5	57	20	0.32	1.02	1.09
60232	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.35	59	23	0.3	0.91	1.12
60233	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.02	54	20	0.32	0.64	1.4
60234	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.93	53	21	0.32	0.7	1.4
60235	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.19	55	19	0.32	1.01	1
60236	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	2.36	55	12	0.37	0.98	0.96

60237	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.83	58	15	0.35	1.72	0.53
60238	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.15	56	20	0.32	1.13	0.85
60239	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.87	53	40	0.35	1.76	0.46
60240	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.38	59	31	0.29	1.14	0.61
60241	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.21	54	29	0.31	2.17	0.2
60242	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.99	64	53	0.36	0.74	1.07
60243	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.49	55	39	0.33	0.83	1.16
60244	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.66	52	38	0.35	0.66	1.29
60245	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.6	54	39	0.34	0.75	1.24
60246	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.18	53	34	0.33	1.06	0.83
60247	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.7	53	39	0.37	0.73	1.1
60248	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.05	58	33	0.3	0.91	1.15
60249	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-3.02	59	55	0.57	0.26	1.2
60250	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.82	55	47	0.44	0.47	1.15
60251	Algebra	Number and Operations	0.06	52	29	0.31	0.92	1.05
60252	Algebra	Number and Operations	0.96	53	21	0.32	0.87	1.32
60253	Algebra	Number and Operations	-1.44	56	44	0.37	0.71	1.12
60254	Algebra	Number and Operations	0.69	45	19	0.34	1.05	0.98
60255	Algebra	Number and Operations	1.34	59	20	0.3	1.43	0.56
60256	Algebra	Number and Operations	1.46	55	22	0.31	1	0.94

60257	Algebra	Number and Operations	-0.39	56	36	0.31	0.68	1.42
60258	Algebra	Number and Operations	-0.42	54	37	0.33	0.87	1.1
60259	Algebra	Number and Operations	-0.88	53	40	0.36	0.83	1.12
60260	Algebra	Number and Operations	-1.31	53	44	0.39	0.76	1.16
60261	Algebra	Number and Operations	-0.68	54	40	0.35	1.04	0.89
60262	Algebra	Number and Operations	-0.06	52	32	0.31	0.89	1.11
60263	Algebra	Number and Operations	-1.32	53	42	0.39	0.64	1.14
60264	Algebra	Number and Operations	0.4	54	28	0.32	0.73	1.34
60265	Algebra	Number and Operations	-0.82	53	37	0.33	0.9	1.13
60266	Algebra	Number and Operations	-0.13	55	34	0.32	0.76	1.23
60267	Algebra	Number and Operations	1.32	55	19	0.31	1.15	0.83
60268	Algebra	Number and Operations	-1.42	52	41	0.37	0.42	1.5
60269	Algebra	Number and Operations	1.35	54	19	0.32	1.19	0.75
60270	Algebra	Number and Operations	0.31	59	31	0.3	0.83	1.15
60271	Algebra	Number and Operations	-1.74	54	47	0.43	0.51	1.19
60272	Algebra	Number and Operations	0.61	54	25	0.3	1.33	0.75
60273	Algebra	Number and Operations	-0.41	54	38	0.33	1.06	0.8
60274	Algebra	Number and Operations	-0.05	56	34	0.31	0.99	1.12
60275	Algebra	Number and Operations	-1.33	56	44	0.39	0.63	1.18
60276	Algebra	Number and Operations	-2.35	55	50	0.5	0.46	1.11
60277	Algebra	Number and Operations	-2.01	53	47	0.47	0.74	1
60278	Algebra	Number and Operations	1.31	55	20	0.31	1.22	0.72
60279	Algebra	Number and Operations	-0.61	56	39	0.33	0.97	1.1
60280	Algebra	Number and Operations	0.42	60	32	0.29	1.42	0.52

60281	Algebra	Number and Operations	-0.36	60	40	0.3	0.82	1.29
60282	Algebra	Number and Operations	0.18	58	34	0.29	1.27	0.48
60283	Algebra	Number and Operations	1.99	54	14	0.34	1.22	0.82
60284	Algebra	Number and Operations	0.13	56	34	0.31	1.49	0.35
60285	Algebra	Number and Operations	0.24	56	29	0.29	1.28	0.38
60286	Algebra	Number and Operations	-1.14	60	49	0.37	1.77	0.87
60287	Algebra	Number and Operations	-2.65	55	51	0.54	1.25	0.9
60288	Algebra	Number and Operations	-0.61	53	40	0.36	1.3	1.04
60289	Algebra	Number and Operations	-0.86	56	39	0.33	0.96	1.01
60290	Algebra	Number and Operations	-0.61	55	35	0.34	1.33	0.64
60291	Algebra	Number and Operations	-1.01	55	42	0.35	0.94	1.11
60292	Algebra	Number and Operations	-1.41	54	43	0.37	0.77	1.13
60293	Algebra	Number and Operations	-0.91	56	40	0.33	1.08	0.9
60294	Algebra	Number and Operations	-0.8	54	39	0.35	1.01	1.05
60295	Algebra	Number and Operations	-0.58	56	39	0.34	0.89	1.21
60296	Algebra	Number and Operations	-0.78	55	41	0.36	1.43	0.93
60297	Algebra	Number and Operations	-1.85	54	46	0.41	1.01	1.01
60298	Algebra	Number and Operations	-0.72	55	40	0.34	0.62	1.36
60299	Algebra	Number and Operations	-1.04	54	41	0.35	0.72	1.26
60300	Algebra	Number and Operations	-0.13	50	31	0.34	0.79	1.17
60301	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.3	57	33	0.32	0.84	1.09
60302	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.58	56	42	0.35	0.63	1.21

60303	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.11	56	34	0.32	0.83	1.13
60304	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.42	56	29	0.31	1.05	0.95
60305	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.18	55	27	0.3	1.49	0.01
60306	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.23	55	32	0.31	1.03	0.82
60307	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.98	56	27	0.31	1.06	1.08
60308	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.75	59	27	0.3	1.07	0.72
60309	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.18	58	35	0.3	1	0.96
60310	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-1.37	57	48	0.39	0.82	1.02
60311	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.54	56	19	0.32	1.35	0.8
60312	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.22	54	23	0.32	0.77	1.33
60313	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.42	56	27	0.31	1.58	0.18
60314	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.73	57	16	0.34	1.32	0.93
60315	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.34	54	39	0.34	0.77	1.15

60316	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.8	55	26	0.31	1.23	0.54
60317	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.94	57	26	0.32	0.74	1.22
60318	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.35	57	32	0.31	1.11	0.87
60319	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.45	54	46	0.41	0.78	1.03
60320	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.65	54	37	0.33	0.63	1.37
60321	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.45	55	33	0.32	1.02	0.86
60322	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-3.37	56	54	0.74	0.41	1.03
60323	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.33	55	19	0.33	1.32	0.77
60324	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.61	56	25	0.31	0.89	1.16
60325	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.91	57	27	0.31	0.92	1.11
60326	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.2	57	36	0.31	1.22	0.6
60327	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.86	56	8	0.45	3.18	0.62
60328	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.1	61	15	0.35	1.24	1.02

60329	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.07	58	34	0.3	1.11	0.81
60330	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.75	59	24	0.3	0.69	1.46
60331	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.27	54	19	0.33	1.2	0.88
60332	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.62	59	21	0.33	1.41	0.79
60333	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-1.17	55	43	0.36	0.72	1.09
60334	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.92	54	22	0.33	1.03	0.97
60335	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.93	61	26	0.31	0.83	1.34
60336	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.29	55	33	0.32	0.7	1.34
60337	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.67	58	29	0.3	0.91	1.13
60338	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0	54	36	0.32	0.82	1.18
60339	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.37	53	20	0.33	1.25	0.79
60340	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-1.2	56	47	0.39	0.58	1.15
60341	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-1.04	54	42	0.36	0.69	1.14
60342	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.22	52	32	0.32	0.86	1.05

60343	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.84	56	24	0.32	0.89	1.19
60344	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.04	52	30	0.3	0.95	1.05
60345	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.02	53	22	0.33	0.97	1.05
60346	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.33	53	37	0.34	1.19	0.91
60347	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.91	58	26	0.3	1.61	0.37
60348	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.1	55	22	0.32	1.77	0.61
60349	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.98	53	24	0.32	0.97	1.04
60350	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.15	53	30	0.31	1.17	0.52
60351	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.44	53	26	0.33	1.05	0.81
60352	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.81	55	23	0.32	1.13	0.85
60353	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.39	57	30	0.3	1.51	0.51
60354	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.06	57	50	0.43	0.56	1.15
60355	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.02	54	32	0.32	1.36	0.56
60356	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.42	53	48	0.51	0.49	1.17

60357	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.59	58	50	0.42	1.75	0.87
60358	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.63	56	51	0.5	0.44	1.16
60359	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.44	58	29	0.29	1.17	0.67
60360	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.91	52	22	0.31	1.34	0.51
60361	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.98	55	23	0.31	1.06	0.88
60362	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.56	54	38	0.33	1.25	0.79
60363	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.79	55	48	0.43	0.83	1.01
60364	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.91	53	45	0.43	0.9	1.05
60365	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.15	55	42	0.35	1.17	1.05
60366	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.89	55	25	0.31	0.96	1.04
60367	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.06	55	41	0.35	1.78	0.57
60368	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.45	56	46	0.38	1.11	0.98
60369	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94	55	40	0.34	1.27	0.63
60370	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.14	59	13	0.35	0.85	1.19
60371	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.11	57	24	0.32	1.21	0.87
60372	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.41	55	27	0.3	0.67	1.64
60373	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.33	55	31	0.3	1.65	0.2
60374	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.67	55	39	0.36	0.65	1.17

60375	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.94	56	25	0.32	0.94	1.05
60376	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.48	52	26	0.33	0.66	1.29
60377	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.98	56	25	0.31	1.01	0.97
60378	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.63	56	48	0.45	0.57	1.13
60379	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.57	55	37	0.33	0.82	1.14
60380	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.51	57	48	0.39	1	0.9
60381	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.56	53	15	0.35	1.13	1.1
60382	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.21	55	35	0.32	1.35	0.88
60383	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.54	54	27	0.31	0.81	1.24
60384	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.4	54	35	0.33	0.68	1.3
60385	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.21	54	26	0.31	0.77	1.42
60386	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.89	55	40	0.34	1.82	0.38
60387	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.34	55	45	0.39	0.62	1.18
60388	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.54	55	26	0.31	1.06	0.99
60389	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.31	56	17	0.34	1.03	0.95
60390	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.76	60	52	0.42	0.49	1.18
60391	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.46	53	35	0.32	0.74	1.45

60392	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.24	59	53	0.46	0.48	1.16
60393	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.87	54	47	0.46	0.63	1.09
60394	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.39	56	41	0.35	0.69	1.2
60395	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.61	58	29	0.3	0.81	1.22
60396	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.29	56	44	0.35	1.21	1.15
60397	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.11	55	44	0.37	0.55	1.27
60398	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.27	55	45	0.4	0.62	1.14
60399	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.71	54	47	0.43	0.87	1.03
60400	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.83	54	46	0.44	0.67	1.05
60401	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.68	56	49	0.44	1.14	1.03
60402	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.81	56	37	0.33	0.69	1.29
60403	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.44	53	43	0.4	0.76	1.14
60404	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.07	55	42	0.36	2	0.83
60405	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.63	56	40	0.34	0.61	1.35
60406	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.2	53	42	0.38	0.67	1.17
60407	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.98	58	51	0.46	0.33	1.26
60408	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.47	52	37	0.34	0.9	1.17

60409	Algebra	Develop the meanings and uses of variables.	-0.6	53	39	0.35	0.68	1.26
60410	Algebra	Develop the meanings and uses of variables.	-2.15	53	49	0.57	0.25	1.23
60411	Algebra	Develop the meanings and uses of variables.	-2.08	55	50	0.48	0.66	1.07
60412	Algebra	Develop the meanings and uses of variables.	-1.54	56	47	0.38	0.77	1.1
60413	Algebra	Develop the meanings and uses of variables.	-1.21	52	40	0.39	0.51	1.31
60414	Algebra	Develop the meanings and uses of variables.	-1.81	53	47	0.47	0.72	1.07
60415	Algebra	Develop the meanings and uses of variables.	-0.81	54	42	0.36	1.73	0.97
60416	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.45	55	45	0.38	0.65	1.15
60417	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.12	52	35	0.33	0.59	1.47
60418	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.42	57	39	0.32	0.6	1.48
60419	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.18	55	44	0.38	0.81	1.06
60420	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.38	56	37	0.32	1.03	1
60421	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.01	54	34	0.32	1.56	0.4
60422	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.08	54	41	0.37	0.8	1.08
60423	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.89	53	46	0.45	0.67	1.05
60424	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.44	54	46	0.42	0.74	1.12
60425	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.02	55	40	0.35	1.18	0.97
60426	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.57	54	38	0.35	0.83	1.23

60427	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-2.61	54	50	0.55	0.48	1.05
60428	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-2.1	55	48	0.45	0.47	1.19
60429	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.56	53	44	0.4	1.2	1.04
60430	Algebra	Identify and represent equivalent expressions.	-1.09	54	43	0.38	0.46	1.37
60431	Algebra	Identify and represent equivalent expressions.	2	56	12	0.36	1.04	0.88
60432	Algebra	Identify and represent equivalent expressions.	0.86	53	20	0.32	1.01	1.08
60433	Algebra	Identify and represent equivalent expressions.	-0.31	59	39	0.31	0.82	1.18
60434	Algebra	Identify and represent equivalent expressions.	1.18	57	20	0.31	1.38	0.31
60435	Algebra	Identify and represent equivalent expressions.	0.75	57	24	0.3	1.1	0.83
60436	Algebra	Identify and represent equivalent expressions.	0.94	56	25	0.33	0.86	1.11
60437	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.44	56	45	0.37	0.76	1.09
60438	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.27	58	36	0.31	0.89	1.19
60439	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.05	56	32	0.3	0.88	1.2
60440	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.77	58	40	0.33	0.92	0.9
60441	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.06	58	31	0.31	0.84	1.22
60442	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.1	54	41	0.36	0.77	1.13
60443	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.09	52	39	0.36	1.7	0.83
60444	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.19	55	44	0.38	1.04	1.18

60445	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.3	56	29	0.32	0.97	1.01
60446	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.45	52	42	0.4	0.43	1.33
60447	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.05	55	41	0.34	0.65	1.24
60448	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.35	56	45	0.37	0.51	1.33
60449	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.54	2430	1689	0.05	1.11	1.03
60450	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.26	54	34	0.32	1.25	0.68
60451	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.26	57	30	0.31	0.95	1.01
60452	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.72	54	26	0.31	0.93	1.05
60453	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-1.91	48	42	0.48	0.4	1.19
60454	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.22	53	17	0.33	1.08	1.08
60455	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.15	54	32	0.33	0.93	1.02
60456	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.51	53	25	0.31	3.84	-0.25
60457	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.01	53	20	0.32	1.51	0.48

60458	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.47	54	32	0.32	0.65	1.44
60459	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.06	54	29	0.3	1.04	0.8
60460	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.63	50	12	0.37	0.92	0.96
60461	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.13	55	20	0.34	0.84	1.1
60462	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.38	53	34	0.33	1.02	0.99
60463	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.09	54	32	0.32	1.08	0.86
60464	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.97	56	21	0.33	1.1	0.95
60465	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.74	59	24	0.31	1.35	0.58
60466	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.46	56	20	0.32	0.93	0.95
60467	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.84	58	16	0.32	0.99	0.96
60468	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.14	58	14	0.34	1.36	0.38
60469	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.47	54	36	0.32	0.93	1.03

60470	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.55	54	18	0.33	0.85	1.13
60471	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.15	55	31	0.31	0.79	1.27
60472	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.17	52	41	0.38	0.75	1.15
60473	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.27	53	33	0.31	1.11	0.69
60474	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.47	52	27	0.31	0.78	1.3
60475	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.65	56	16	0.33	1.46	0.8
60476	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.49	53	11	0.39	2.7	0.85
60477	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.93	57	16	0.33	1.1	0.79
60478	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.13	56	19	0.32	1.08	0.87
60479	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.09	39	8	0.43	1.49	0.68
60480	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.22	52	30	0.31	0.9	1.11
60481	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.48	53	28	0.31	0.73	1.4
60482	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.23	49	25	0.33	0.76	1.46
60483	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.83	57	23	0.3	1.2	0.64

60484	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.01	52	32	0.32	0.7	1.42
60485	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	2.22	52	10	0.4	1.5	0.62
60486	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	2.24	50	10	0.4	0.73	1.21
60487	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.52	51	26	0.33	1.95	-0.11
60488	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.23	57	33	0.31	0.93	1.06
60489	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.42	53	28	0.31	0.98	0.99
60490	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.31	55	21	0.32	1.24	0.95
60491	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.74	52	24	0.32	1.3	0.45
60492	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.66	52	26	0.31	1.51	0.44
60493	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.83	55	15	0.33	1.45	0.61
60494	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.75	52	23	0.31	0.97	1.06
60495	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.56	54	28	0.32	0.57	1.49
60496	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.76	51	23	0.32	1.23	0.86

60497	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-1.64	52	42	0.41	0.68	1.21
60498	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.45	54	29	0.31	0.9	1.08
60499	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.74	54	23	0.31	0.89	1.08
60500	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.18	53	17	0.33	1.68	0.78
60501	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.09	53	13	0.36	1.21	1.14
60502	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.58	55	15	0.33	1.4	0.46
60503	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.33	54	30	0.32	0.91	1.06
60504	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.24	54	43	0.37	0.41	1.45
60505	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.2	53	41	0.38	0.57	1.27
60506	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.84	52	37	0.35	0.8	1.24
60507	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.31	57	45	0.37	1.85	0.78
60508	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.87	54	45	0.41	0.71	1.18
60509	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.25	55	29	0.32	0.59	1.48
60510	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.26	54	32	0.31	0.99	0.91
60511	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.05	56	25	0.32	1.59	0.38
60512	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.73	55	27	0.3	1.2	0.7

60513	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.33	53	44	0.4	1.57	1
60514	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.52	61	51	0.39	1.38	0.92
60515	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.03	57	47	0.39	0.84	1.02
60516	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.29	57	34	0.3	1.03	0.84
60517	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.84	54	48	0.47	0.62	1.05
60518	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.69	56	44	0.37	0.55	1.24
60519	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.12	60	37	0.3	1.23	0.73
60520	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.73	58	28	0.3	1.56	0.27
60521	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.85	56	22	0.31	0.89	1.14
60522	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.22	53	30	0.32	0.78	1.09
60523	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.09	56	31	0.31	0.75	1.25
60524	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.02	55	35	0.32	0.78	1.17
60525	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.83	53	27	0.31	0.88	1.21
60526	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	2.02	56	12	0.36	0.72	1.21
60527	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.9	57	27	0.3	1.48	0.44
60528	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.4	51	26	0.32	0.7	1.46
60529	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.96	53	39	0.36	1.44	0.68

60530	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.01	54	34	0.32	1.13	0.78
60531	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.18	55	32	0.32	1.22	0.51
60532	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.05	53	41	0.37	0.74	1.17
60533	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.38	55	30	0.31	0.86	1.12
60534	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.74	55	40	0.35	1.04	1.13
60535	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.11	53	32	0.32	0.79	1.22
60536	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.11	55	33	0.31	0.8	1.2
60537	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.19	55	30	0.31	1.02	0.96
60538	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.56	51	25	0.32	1.03	1.1
60539	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.95	54	24	0.33	1.45	0.74
60540	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.43	56	51	0.5	0.35	1.18
60541	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.32	56	33	0.31	0.75	1.3
60542	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.65	56	46	0.38	0.49	1.29
60543	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.98	54	50	0.58	0.56	1.06
60544	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.43	2421	1637	0.05	0.9	1.08
60545	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.44	55	30	0.31	0.89	1.21
60546	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.31	55	45	0.38	0.58	1.18
60547	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.66	56	48	0.41	0.51	1.18

60548	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.49	51	43	0.41	0.55	1.22
60549	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.04	54	40	0.35	0.63	1.31
60550	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.27	53	42	0.38	0.48	1.31
60551	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.56	55	16	0.33	1.48	0.66
60552	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.01	58	44	0.33	1.15	0.92
60553	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	3.12	52	6	0.47	1.36	0.92
60554	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.08	55	20	0.31	1.12	0.78
60555	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.61	52	27	0.32	0.58	1.59
60556	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.37	53	29	0.31	1	1.04
60557	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.99	53	23	0.32	0.96	1.08
60558	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.54	53	27	0.33	0.84	1.18
60559	Algebra	Develop the meanings and uses of variables.	-1.6	55	45	0.39	0.59	1.17
60560	Algebra	Develop the meanings and uses of variables.	-0.92	51	37	0.34	0.8	1.15
60561	Algebra	Develop the meanings and uses of variables.	-0.92	55	42	0.35	0.67	1.07
60562	Algebra	Develop the meanings and uses of variables.	-0.94	55	40	0.33	0.75	1.2
60563	Algebra	Develop the meanings and uses of variables.	1.26	55	22	0.32	1.16	0.83
60564	Algebra	Develop the meanings and uses of variables.	-0.16	56	34	0.31	0.67	1.57
60565	Algebra	Develop the meanings and uses of variables.	-1.44	56	44	0.35	0.6	1.32

60566	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.58	57	29	0.31	1.05	0.81
60567	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.22	57	35	0.31	0.76	1.26
60568	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.82	55	14	0.36	1.19	0.93
60569	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.63	53	22	0.31	0.87	1.22
60570	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.53	55	27	0.31	1.64	0.36
60571	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.08	53	29	0.31	2.33	-0.31
60572	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.44	55	37	0.32	0.86	1.09
60573	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.58	56	39	0.32	0.95	0.98
60574	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.26	57	44	0.35	0.63	1.23
60575	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.01	57	45	0.35	0.62	1.3
60576	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.52	57	30	0.32	1.04	1.01
60577	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.75	56	46	0.41	1.28	0.98
60578	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.25	57	35	0.3	1.03	0.92
60579	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	1.43	57	20	0.34	1.47	1.01
60580	Algebra	Identify and represent equivalent expressions.	1.68	57	15	0.34	2.16	0.36
60581	Algebra	Identify and represent equivalent expressions.	-0.57	53	37	0.32	0.83	1.26

60582	Algebra	Identify and represent equivalent expressions.	0.68	56	27	0.3	0.88	1.1
60583	Algebra	Identify and represent equivalent expressions.	1.73	57	14	0.34	0.81	0.97
60584	Algebra	Identify and represent equivalent expressions.	2.56	58	10	0.4	0.68	1.19
60585	Algebra	Identify and represent equivalent expressions.	2.2	61	14	0.34	1.27	0.88
60586	Algebra	Identify and represent equivalent expressions.	0.64	58	27	0.3	1.55	0.06
60587	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.06	57	50	0.43	0.36	1.29
60588	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.45	54	43	0.38	0.55	1.32
60589	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.76	55	52	0.61	0.29	1.16
60590	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.24	56	43	0.37	0.72	1.2
60591	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.36	56	51	0.53	1.02	1.07
60592	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.68	58	49	0.42	1.11	1.05
60593	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.26	52	35	0.36	0.79	0.98
60594	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.47	56	45	0.39	0.76	1.06
60595	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.8	56	50	0.46	0.61	1.1
60596	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.74	60	53	0.47	0.92	0.91
60597	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.12	61	42	0.31	0.74	1.17

60598	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.69	57	48	0.41	0.56	1.13
60599	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.08	76	63	0.34	1.05	1
60600	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.88	53	39	0.36	0.83	1.08
60601	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-1.44	57	46	0.39	0.85	1.13
60602	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.81	56	21	0.31	1.45	0.35
60603	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.24	57	20	0.31	0.97	0.97
60604	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.93	59	26	0.3	2.18	0.22
60605	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.76	60	15	0.33	1.31	0.79
60606	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.89	57	21	0.3	1.02	0.73
60607	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	2.27	55	8	0.41	0.99	0.96
60608	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.75	56	24	0.3	1.08	0.84
60609	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.64	57	23	0.3	1.2	0.71
60610	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.42	54	21	0.32	1.76	0.81

60611	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.2	52	13	0.36	0.81	1.2
60612	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.38	56	10	0.38	1.6	0.77
60613	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.28	56	16	0.33	1.34	0.92
60614	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.9	57	12	0.35	0.92	1.03
60615	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.26	54	8	0.4	1.5	0.76
60616	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-2.45	56	52	0.56	0.6	1.04
60617	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-7.19	55	54	1.02	0.34	1.01
60618	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.73	47	35	0.37	0.97	1
60619	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.63	53	36	0.33	0.97	0.98
60620	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.26	55	29	0.3	1.36	0.33
60621	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.39	56	20	0.32	0.91	1.12

60622	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.13	53	13	0.36	1.16	1.16
60623	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.96	55	42	0.35	0.83	1.04
60624	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.8	55	24	0.32	0.95	1.03
60625	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.24	56	18	0.33	1.37	0.86
60626	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.15	54	20	0.31	0.89	1.1
60627	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.09	55	21	0.32	0.87	1.14
60628	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.29	57	13	0.35	0.82	1.2
60629	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.73	53	16	0.34	1.64	0.75
60630	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.77	54	26	0.31	0.79	1.35
60631	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.52	57	27	0.3	0.81	1.23
60632	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-1.09	53	41	0.37	1.81	1.05
60633	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.7	57	26	0.29	1.1	0.82
60634	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.12	55	21	0.32	3.01	0.35
60635	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.69	55	39	0.32	0.79	1.24

60636	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.02	55	31	0.31	0.96	0.96
60637	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.07	53	31	0.32	0.83	1.11
60638	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.54	59	26	0.28	0.83	1.38
60639	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.39	56	38	0.32	1.16	0.71
60640	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1	55	22	0.31	0.9	1.11
60641	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.1	53	33	0.31	1.27	0.17
60642	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.63	56	28	0.31	0.95	0.97
60643	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.41	56	17	0.32	0.9	1.05
60644	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.96	55	42	0.34	0.83	1.05
60645	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.25	56	38	0.31	0.77	1.26
60646	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.12	54	30	0.3	0.75	1.43
60647	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.34	54	37	0.33	0.7	1.22
60648	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.79	52	15	0.36	0.73	1.22

60649	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	2.24	54	13	0.37	1.5	0.81
60650	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.11	54	22	0.35	1.03	1
60651	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.43	52	25	0.32	1.15	0.8
60652	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.38	57	20	0.32	0.79	1.2
60653	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.87	51	21	0.32	0.93	1.04
60654	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.19	55	42	0.35	1.09	0.89
60655	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.01	56	21	0.31	0.91	1.09
60656	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.41	55	31	0.32	0.83	1.13
60657	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.18	56	44	0.36	1.03	1.01
60658	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.28	62	22	0.3	1.7	0.35
60659	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.3	56	13	0.37	2.14	0.68
60660	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.65	54	15	0.32	0.97	0.84
60661	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.22	60	36	0.3	0.71	1.48
60662	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1	57	43	0.33	0.63	1.36
60663	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	3.27	58	5	0.49	1.5	0.77
60664	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.97	57	13	0.35	0.56	1.38
60665	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.06	56	33	0.31	0.7	1.41
60666	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.21	50	31	0.34	0.68	1.34

60667	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.87	56	39	0.31	0.81	1.31
60668	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.48	69	40	0.28	0.96	1.09
60669	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.16	58	39	0.32	0.75	1.2
60670	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.46	60	35	0.3	0.98	1.03
60671	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.13	54	43	0.37	0.66	1.24
60672	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.33	52	44	0.41	0.44	1.31
60673	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.3	52	41	0.38	0.74	1.12
60674	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.56	56	39	0.32	1.24	1.13
60675	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.44	55	38	0.33	0.8	1.16
60676	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.55	56	30	0.31	0.73	1.29
60677	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.41	55	36	0.32	1.02	0.96
60678	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.2	57	38	0.31	0.93	1.13
60679	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.17	53	42	0.37	0.73	1.08
60680	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.38	54	42	0.37	0.98	0.84
60681	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.29	57	22	0.31	1.27	0.68
60682	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.31	55	16	0.33	1.11	0.74

60683	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	3.08	55	6	0.47	3.07	0.57
60684	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.05	56	18	0.32	2.13	-0.16
60685	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.87	55	41	0.35	0.61	1.28
60686	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.42	54	33	0.31	0.92	1.1
60687	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.51	56	30	0.3	1.5	0.2
60688	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.83	55	41	0.34	1.47	0.9
60689	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.39	54	27	0.31	0.97	1.05
60690	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.88	58	51	0.44	0.35	1.29
60691	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.28	54	29	0.32	0.95	0.98
60692	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.82	54	45	0.41	0.59	1.2
60693	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.23	54	42	0.36	0.58	1.27
60694	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.88	54	40	0.35	0.56	1.35
60695	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.64	57	25	0.3	1.14	0.91
60696	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.26	56	31	0.3	1.16	0.76
60697	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.46	55	45	0.38	0.59	1.18
60698	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.98	55	48	0.44	0.69	0.93
60699	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.66	55	41	0.35	0.9	1.01
60700	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.08	57	32	0.3	0.96	0.98

60701	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.36	50	38	0.36	0.75	1.21
60702	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.26	57	47	0.38	0.71	1.1
60703	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.11	60	19	0.3	1.62	0.18
60704	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.8	58	43	0.34	0.55	1.47
60705	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.16	54	21	0.33	2.08	0.37
60706	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-2.55	55	50	0.51	1.03	0.86
60707	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.51	59	40	0.31	0.55	1.53
60708	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.61	55	29	0.32	0.74	1.24
60709	Algebra	Develop the meanings and uses of variables.	-1.11	58	43	0.34	2.97	0.83
60710	Algebra	Develop the meanings and uses of variables.	-1.04	57	43	0.34	1.22	1.14
60711	Algebra	Develop the meanings and uses of variables.	-1.04	54	43	0.37	0.69	1.16
60712	Algebra	Develop the meanings and uses of variables.	-0.3	59	38	0.31	0.73	1.23
60713	Algebra	Develop the meanings and uses of variables.	0.53	58	29	0.3	1.23	0.57
60714	Algebra	Develop the meanings and uses of variables.	0.3	60	32	0.29	0.72	1.53
60715	Algebra	Develop the meanings and uses of variables.	0.24	51	30	0.32	0.81	1.22
60716	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.61	59	28	0.29	1.33	0.79
60717	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.04	52	29	0.33	0.76	1.24
60718	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	2.34	56	12	0.37	1.24	1.02

60719	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.89	61	28	0.32	0.93	1.05
60720	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.91	53	13	0.37	1.57	0.76
60721	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.04	57	33	0.3	1.49	0.82
60722	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.81	56	47	0.39	0.58	1.2
60723	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.59	58	29	0.29	1.04	0.86
60724	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.19	50	40	0.4	0.81	1.11
60725	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.04	57	37	0.31	0.8	1.2
60726	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.77	63	26	0.29	0.75	1.49
60727	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.45	55	46	0.41	0.38	1.34
60728	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.56	52	24	0.33	0.84	1.14
60729	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.84	55	26	0.31	1.13	0.79
60730	Algebra	Identify and represent equivalent expressions.	3.07	59	8	0.42	1.33	0.93
60731	Algebra	Identify and represent equivalent expressions.	-1.21	53	41	0.36	2.31	0.64
60732	Algebra	Identify and represent equivalent expressions.	0.28	58	32	0.3	1.16	0.89
60733	Algebra	Identify and represent equivalent expressions.	1.2	58	22	0.32	1.8	0.44
60734	Algebra	Identify and represent equivalent expressions.	1.67	54	14	0.34	1.17	0.81
60735	Algebra	Identify and represent equivalent expressions.	2.31	57	10	0.41	1.06	0.98
60736	Algebra	Identify and represent equivalent expressions.	1.13	57	21	0.31	1.55	0.42

60737	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0	53	31	0.31	1.07	0.77
60738	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	1.42	56	20	0.32	1.86	0.76
60739	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.07	61	36	0.29	0.95	1.05
60740	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.25	57	38	0.32	1.42	0.47
60741	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.16	59	38	0.31	0.82	1.12
60742	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.37	56	31	0.3	0.91	1.19
60743	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.13	53	31	0.32	0.66	1.49
60744	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.2	55	28	0.3	0.78	1.33
60745	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.49	56	45	0.37	0.54	1.23
60746	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.33	58	38	0.31	0.85	1.11
60747	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.87	53	40	0.36	1.02	0.94
60748	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.32	55	35	0.32	0.87	1.06
60749	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.79	55	47	0.41	0.59	1.19

60750	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.6	55	26	0.3	0.77	1.41
60751	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.37	57	38	0.32	0.91	1.15
60752	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-1.31	54	43	0.37	0.85	1.01
60753	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.84	54	23	0.32	1.01	1.03
60754	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.35	52	27	0.31	1.04	1.02
60755	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.69	55	41	0.34	0.76	1.1
60756	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.65	53	38	0.34	0.81	1.13
60757	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.11	57	21	0.31	1.3	0.79
60758	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.4	55	31	0.32	0.97	1.07
60759	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.41	55	38	0.34	0.85	1.02
60760	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-1.65	54	46	0.43	0.48	1.17
60761	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.88	49	20	0.34	1.01	0.9
60762	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.93	52	21	0.33	1.2	0.65

60763	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	3.5	52	6	0.46	5.83	0.46
60764	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.88	53	40	0.35	0.82	1.07
60765	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.15	56	23	0.32	1.1	0.95
60766	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.82	56	39	0.34	0.86	1.18
60767	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.2	54	45	0.4	0.49	1.3
60768	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.41	54	44	0.41	0.52	1.22
60769	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.36	54	37	0.33	1.1	0.86
60770	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.22	54	43	0.37	0.53	1.33
60771	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.23	56	36	0.32	1.01	0.9
60772	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.99	56	45	0.36	0.7	1.17
60773	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.45	50	15	0.34	1.06	0.9
60774	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.94	54	23	0.32	0.93	1.11

60775	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.14	55	21	0.33	1.82	0.58
60776	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.18	57	23	0.32	1.06	1.02
60777	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.61	54	16	0.33	1.23	0.57
60778	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.45	55	31	0.32	1.28	0.66
60779	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.66	55	28	0.31	0.92	1.07
60780	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.13	53	32	0.32	0.81	1.22
60781	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-1.75	52	45	0.44	0.52	1.21
60782	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.21	55	21	0.3	0.9	1.13
60783	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.7	53	16	0.35	1.13	0.94
60784	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.18	54	21	0.33	0.82	1.21
60785	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.78	51	24	0.32	1.13	0.89
60786	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.31	58	33	0.3	0.88	1.13
60787	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.01	51	33	0.33	0.88	1.11
60788	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.4	62	38	0.3	1.24	0.8

60789	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-1.42	56	47	0.39	1.06	1.09
60790	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.85	56	25	0.3	1.13	0.82
60791	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-2.21	56	50	0.46	0.53	1.15
60792	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.34	53	30	0.32	1.1	0.75
60793	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.87	55	42	0.35	0.84	1.07
60794	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.75	56	39	0.33	2.22	0.59
60795	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.64	53	40	0.35	0.89	1.03
60796	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.39	56	38	0.32	0.6	1.48
60797	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.72	54	27	0.31	0.85	1.2
60798	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.76	54	16	0.34	1.33	0.79
60799	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	2.64	55	8	0.42	1.86	0.84
60800	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.38	49	20	0.35	1.37	0.58
60801	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.79	55	23	0.32	0.87	1.11

60802	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.81	57	24	0.3	0.86	1.36
60803	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.85	56	24	0.31	0.83	1.21
60804	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.14	54	33	0.32	0.83	1.34
60805	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.1	56	33	0.3	0.93	1.22
60806	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.1	51	46	0.5	0.47	1.15
60807	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.23	57	44	0.35	0.63	1.25
60808	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.71	56	39	0.33	0.84	1.07
60809	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.32	53	27	0.31	1.02	0.9
60810	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.43	54	19	0.32	2.22	0.28
60811	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.38	49	16	0.35	1.15	0.7
60812	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.12	54	13	0.37	0.99	0.85
60813	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.3	56	32	0.31	1.04	0.8
60814	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.39	55	18	0.33	1.22	0.67
60815	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.24	56	36	0.31	0.63	1.59
60816	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.02	55	31	0.31	0.68	1.6
60817	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.92	55	23	0.3	0.9	1.25
60818	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.6	55	28	0.31	1.22	0.7
60819	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.56	55	38	0.32	1.01	0.91
60820	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	3.85	56	5	0.5	4.04	1.02

60821	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.36	56	47	0.39	0.53	1.22
60822	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.59	54	45	0.4	1.31	0.89
60823	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.7	55	40	0.33	1.23	1.04
60824	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.61	59	45	0.35	0.63	1.2
60825	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.19	54	45	0.41	0.71	0.88
60826	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.11	57	37	0.31	0.9	1.13
60827	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.85	56	26	0.31	1.92	1.04
60828	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.23	57	23	0.31	1.14	0.82
60829	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.42	54	20	0.32	0.8	1.36
60830	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.33	62	39	0.31	0.88	1.07
60831	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.99	58	46	0.37	0.61	1.16
60832	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0	52	30	0.32	0.98	1.08
60833	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.46	53	44	0.4	0.49	1.28
60834	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.72	54	40	0.35	0.52	1.36
60835	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	2.58	53	10	0.4	1.98	0.82
60836	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.17	56	43	0.35	0.47	1.43

60837	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.79	56	52	0.6	0.56	0.86
60838	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.55	55	46	0.43	0.38	1.28
60839	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.27	54	49	0.52	0.43	1.16
60840	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.4	55	27	0.31	1.29	0.54
60841	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.53	54	28	0.31	1.24	0.67
60842	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.48	56	29	0.31	0.67	1.39
60843	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.99	56	53	0.68	1.15	1.05
60844	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.64	56	39	0.33	0.71	1.21
60845	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.9	76	40	0.28	0.85	1.1
60846	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.41	54	39	0.33	1.24	0.8
60847	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.7	56	52	0.56	0.58	0.93
60848	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.59	52	43	0.42	0.82	0.98
60849	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.15	57	33	0.3	0.86	1.13
60850	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.22	53	47	0.46	0.73	1.05
60851	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.34	55	46	0.39	0.76	1.01
60852	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.1	55	32	0.31	0.82	1.13
60853	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.65	56	48	0.42	0.42	1.24
60854	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.7	54	38	0.35	0.66	1.23

60855	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.45	56	46	0.4	0.61	1.14
60856	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.05	56	32	0.3	0.95	1.08
60857	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.05	55	35	0.31	1.01	0.93
60858	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.17	54	43	0.37	0.88	0.9
60859	Algebra	Develop the meanings and uses of variables.	-1.54	53	46	0.43	0.55	1.17
60860	Algebra	Develop the meanings and uses of variables.	-2.04	54	49	0.5	1.31	0.94
60861	Algebra	Develop the meanings and uses of variables.	1.02	56	23	0.31	1.12	0.93
60862	Algebra	Develop the meanings and uses of variables.	-1.69	54	46	0.44	4.43	0.82
60863	Algebra	Develop the meanings and uses of variables.	-1.78	54	47	0.46	0.43	1.18
60864	Algebra	Develop the meanings and uses of variables.	-1.74	56	49	0.46	0.83	1.03
60865	Algebra	Develop the meanings and uses of variables.	-1.51	53	46	0.43	1.37	1.06
60866	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.24	56	41	0.33	0.68	1.3
60867	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.4	56	38	0.32	0.83	1.26
60868	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.48	55	38	0.32	0.78	1.22
60869	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.76	56	15	0.34	0.87	1.13
60870	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.42	57	31	0.3	0.74	1.44
60871	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.26	56	39	0.33	0.81	1.11
60872	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0	0	0	0	1	1

60873	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.33	60	41	0.31	1.28	0.8
60874	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	1.48	55	20	0.32	1.04	1.12
60875	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.26	56	37	0.31	0.75	1.28
60876	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.03	56	32	0.3	1.03	0.93
60877	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.77	56	24	0.3	1.31	0.54
60878	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.51	52	26	0.32	0.81	1.26
60879	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.93	52	38	0.34	0.84	1.18
60880	Algebra	Identify and represent equivalent expressions.	1.02	55	23	0.32	1.08	1.05
60881	Algebra	Identify and represent equivalent expressions.	0.73	58	24	0.31	0.71	1.27
60882	Algebra	Identify and represent equivalent expressions.	1.19	57	22	0.31	1.07	0.98
60883	Algebra	Identify and represent equivalent expressions.	0.3	53	28	0.32	1.03	0.89
60884	Algebra	Identify and represent equivalent expressions.	1.11	52	21	0.33	0.7	1.15
60885	Algebra	Identify and represent equivalent expressions.	1.1	60	27	0.31	0.85	1.2
60886	Algebra	Identify and represent equivalent expressions.	1.51	52	18	0.34	0.81	1.11
60887	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.79	57	54	0.61	0.34	1.12
60888	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.8	56	50	0.46	3.56	0.81
60889	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.87	54	40	0.35	0.93	0.98
60890	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.58	2427	2044	0.06	0.75	1.12

60891	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.8	56	47	0.38	0.84	1.09
60892	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.96	60	28	0.3	0.77	1.29
60893	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	2.08	53	13	0.35	1.04	0.94
60894	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.46	51	42	0.4	0.5	1.31
60895	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.4	56	30	0.3	0.83	1.25
60896	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-2.08	55	51	0.53	0.78	1.03
60897	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.26	55	33	0.31	0.87	1.26
60898	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.26	53	44	0.39	0.88	1.04
60899	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.3	56	33	0.3	0.91	1.12
60900	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.47	55	28	0.31	0.7	1.49
60901	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.85	65	50	0.33	0.99	1.01
60902	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.09	51	28	0.33	1	0.83
60903	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.39	66	37	0.28	1.24	0.52

60904	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.93	55	19	0.32	1.08	0.85
60905	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.72	54	25	0.32	1.13	0.81
60906	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.02	57	20	0.3	1.09	1.01
60907	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	2.45	56	11	0.39	0.99	1.01
60908	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.98	54	23	0.32	1.06	0.93
60909	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.61	53	25	0.32	0.79	1.24
60910	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.65	57	19	0.32	1.3	0.84
60911	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.71	55	16	0.33	1.31	0.96
60912	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.24	56	19	0.31	1.36	0.44
60913	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.21	54	19	0.32	1.32	0.68
60914	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.12	55	11	0.37	1.25	0.84
60915	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.12	53	10	0.38	1.47	0.53

60916	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.75	57	50	0.43	0.8	1.07
60917	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.53	53	45	0.42	0.46	1.23
60918	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.12	56	33	0.3	0.98	0.74
60919	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.44	56	46	0.37	0.79	1.11
60920	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.43	53	35	0.33	0.92	1.12
60921	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.33	55	18	0.32	1.78	0.29
60922	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.05	55	21	0.31	1.26	0.79
60923	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.75	55	43	0.35	1.09	0.91
60924	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.45	55	19	0.33	1.26	0.83
60925	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.81	54	15	0.34	1.09	1.09
60926	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.39	55	30	0.3	1.24	0.4
60927	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.22	56	21	0.32	1.22	0.84
60928	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.71	53	16	0.34	1.44	0.72

60929	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.1	58	17	0.33	1.07	0.83
60930	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.89	54	25	0.32	1	1.08
60931	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.89	56	42	0.34	0.8	1.18
60932	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.86	53	41	0.35	0.89	1.08
60933	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.09	54	20	0.31	1.11	0.92
60934	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.11	57	23	0.31	0.81	1.26
60935	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.66	55	38	0.34	0.9	1
60936	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.17	55	30	0.3	0.68	1.64
60937	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.04	58	36	0.31	0.88	1.12
60938	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.11	57	32	0.3	1.07	0.8
60939	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-1.1	63	50	0.34	1.02	0.97
60940	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.93	62	23	0.28	0.91	1.14
60941	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.52	58	32	0.31	1.66	0.15
60942	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.25	52	33	0.33	0.76	1.21

60943	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.94	56	25	0.3	1.04	0.93
60944	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.51	56	41	0.33	0.82	1.1
60945	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.55	58	26	0.29	0.72	1.56
60946	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.54	54	36	0.32	0.74	1.24
60947	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.2	55	36	0.32	0.78	1.21
60948	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.31	56	19	0.3	1.15	0.85
60949	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	2.74	63	10	0.38	7.45	0.96
60950	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	2.66	57	10	0.39	1.52	1.16
60951	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.67	55	26	0.31	1.19	0.64
60952	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.06	54	33	0.31	0.86	1.2
60953	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.01	56	14	0.34	1.76	0.78
60954	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.2	51	19	0.35	0.66	1.2
60955	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.04	54	22	0.32	1.16	0.87
60956	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.69	55	47	0.4	0.65	1.14

60957	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.06	56	44	0.35	0.62	1.26
60958	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.35	53	29	0.32	1.41	0.53
60959	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.04	55	44	0.37	1.17	0.85
60960	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.2	54	19	0.32	0.69	1.54
60961	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.66	55	27	0.3	0.91	1.16
60962	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.72	61	18	0.32	1.08	1.08
60963	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1	59	23	0.3	1.36	0.61
60964	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.23	55	31	0.3	0.92	1.09
60965	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.61	54	25	0.32	0.7	1.37
60966	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.93	58	26	0.29	1.11	0.78
60967	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.15	60	39	0.31	1.02	0.84
60968	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.75	57	49	0.42	0.58	1.14
60969	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.29	55	35	0.31	0.9	1.01
60970	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.49	53	43	0.38	0.76	1.06
60971	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.84	54	39	0.34	1.13	0.79
60972	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.24	53	28	0.31	0.91	1.05
60973	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.58	55	40	0.33	0.72	1.24
60974	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.12	56	43	0.35	0.71	1.18

60975	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-2.8	52	49	0.61	0.37	1.11
60976	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.32	66	20	0.3	1.65	0.84
60977	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.87	56	25	0.29	1.51	-0.13
60978	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.38	60	34	0.29	1.03	0.92
60979	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.51	55	38	0.32	0.9	1.11
60980	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-2.16	60	53	0.43	0.54	1.15
60981	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.05	64	50	0.33	0.99	0.97
60982	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.02	59	44	0.32	1	0.86
60983	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.32	53	27	0.31	0.8	1.36
60984	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.9	60	45	0.33	1.1	1.07
60985	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.51	59	31	0.3	0.75	1.28
60986	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.82	56	42	0.34	0.64	1.29
60987	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.74	55	39	0.33	0.72	1.29
60988	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.49	58	33	0.3	0.9	1.15
60989	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.03	55	43	0.36	1.01	1.19
60990	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.96	56	43	0.35	0.53	1.4

60991	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.78	57	13	0.36	1.19	1
60992	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.7	58	42	0.32	0.55	1.49
60953	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	2.01	56	14	0.34	1.76	0.78
60993	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.23	55	46	0.4	0.63	1.16
60994	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.39	56	46	0.38	0.63	1.17
60995	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.66	55	29	0.31	0.85	1.14
60996	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.74	60	48	0.36	0.46	1.34
60997	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.8	56	48	0.43	0.61	0.95
60998	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.75	54	37	0.33	0.67	1.29
60999	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.87	51	22	0.31	0.79	1.44
61000	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.9	55	20	0.32	0.9	1.13

Table 2
Distractor Analysis, Grade 6

Item	Answer	Score	Count	Average Measure	S.E. MEAS	OUTFIT MNSQ
60001	A	1	44	1.1	0.24	0.95
60001	B	0	3	-0.24	0.19	0.56
60001	C	0	10	0.14	0.37	1.36
60001	D	0	1	-1.46	0	0.16
60002	A	1	32	1.36	0.31	1.09
60002	B	0	15	0.17	0.25	1.26
60002	C	0	5	-1.52	0.51	0.19
60002	D	0	2	-0.77	0.78	0.39
60003	A	1	40	0.97	0.17	0.78
60003	B	0	6	-0.54	0.64	0.79
60003	C	0	1	-0.14	0	0.68
60003	D	0	7	-0.93	0.44	0.48
60004	A	1	21	1.26	0.37	1.08
60004	B	0	11	-0.37	0.39	0.75
60004	C	0	4	0.82	0.4	1.88
60004	D	0	18	-0.59	0.28	0.64
60005	A	1	35	0.5	0.15	0.79
60005	B	0	4	-0.17	0.27	0.99
60005	C	0	6	-0.33	0.22	0.86
60005	D	0	10	-2.02	0.87	0.64
60006	A	1	34	1.09	0.18	0.82
60006	B	0	6	0.1	0.32	0.96
60006	C	0	6	0.04	0.13	0.74
60006	D	0	8	-1.68	0.79	0.29
60007	A	1	19	1.66	0.33	0.91
60007	B	0	16	0.51	0.25	0.97
60007	C	0	15	0.7	0.25	1.07
60007	D	0	6	-0.28	0.42	0.41
60008	A	1	27	1.56	0.33	0.92
60008	B	0	7	0.54	0.28	1.11
60008	C	0	11	0.07	0.54	1.11
60008	D	0	10	-1.25	0.63	0.31

60009	A	1	26	1.51	0.4	0.96
60009	B	0	8	0.11	0.15	0.77
60009	C	0	11	-0.5	0.22	0.47
60009	D	0	9	0.12	0.18	0.8
60010	A	1	24	0.49	0.27	1.42
60010	B	0	7	0.52	0.26	1.65
60010	C	0	6	-0.47	0.31	0.67
60010	D	0	16	-0.18	0.27	1.14
60011	A	1	25	1.37	0.4	1.55
60011	B	0	5	-0.16	0.36	0.5
60011	C	0	9	1.17	0.21	1.8
60011	D	0	15	0.02	0.34	0.82
60012	A	1	1056	1.21	0.06	1.4
60012	B	0	396	0.39	0.06	1.52
60012	C	0	324	0.17	0.06	1.12
60012	D	0	667	0.08	0.05	1.08
60013	A	1	24	1.04	0.2	0.96
60013	B	0	12	0.41	0.24	1.07
60013	C	0	4	0.77	0.46	1.56
60013	D	0	17	0	0.15	0.64
60014	A	1	26	1.09	0.32	1.36
60014	B	0	4	0.26	0.63	1.22
60014	C	0	14	0.5	0.29	1.57
60014	D	0	7	-0.04	0.46	0.84
60015	A	1	31	1.43	0.38	1.08
60015	B	0	3	-0.26	0.48	0.65
60015	C	0	8	-0.28	0.16	0.57
60015	D	0	12	-0.31	0.36	0.91
60016	A	1	34	1.61	0.33	0.77
60016	B	0	6	-0.58	0.37	0.56
60016	C	0	6	-0.16	0.28	0.67
60016	D	0	9	-0.62	0.32	0.5
60017	A	1	41	0.98	0.25	0.83
60017	B	0	3	-0.84	0.13	0.38
60017	C	0	2	-0.44	0.29	0.58
60017	D	0	6	-0.67	0.69	0.98

60018	A	1	57	0.36	0.14	1.02
60018	B	0	2	-1.33	0.2	0.31
60018	C	0	0	0	0	0
60018	D	0	2	0.59	0.16	2.12
60019	A	1	33	1.13	0.28	0.78
60019	B	0	7	-0.68	0.26	0.53
60019	C	0	3	-0.41	0.41	0.63
60019	D	0	9	-0.55	0.33	0.68
60020	A	1	22	1.69	0.35	1.02
60020	B	0	17	0.19	0.17	0.65
60020	C	0	6	0.04	0.43	0.75
60020	D	0	10	0.54	0.43	1.4
60021	A	1	21	1.83	0.42	1.02
60021	B	0	7	-0.22	0.36	0.5
60021	C	0	19	0.59	0.39	1.35
60021	D	0	8	0.2	0.33	0.67
60022	A	1	13	1.48	0.63	2.72
60022	B	0	24	0.68	0.22	1.08
60022	C	0	5	0.18	0.4	0.56
60022	D	0	11	1.21	0.6	1.51
60023	A	1	33	1.05	0.27	1.04
60023	B	0	8	-0.62	0.4	0.7
60023	C	0	8	-0.03	0.21	0.82
60023	D	0	7	0.1	0.37	1.16
60024	A	1	45	0.52	0.2	1.01
60024	B	0	3	-0.43	0.25	0.78
60024	C	0	5	-0.77	0.14	0.54
60024	D	0	3	-0.71	0.56	0.72
60025	A	1	40	1.03	0.27	0.88
60025	B	0	5	-0.84	0.37	0.51
60025	C	0	5	0.06	0.38	1.22
60025	D	0	3	-0.84	0.7	0.58
60026	A	1	43	1.07	0.26	0.94
60026	B	0	6	-0.41	0.23	0.58
60026	C	0	2	-0.88	0.35	0.34
60026	D	0	4	-0.01	0.52	1.08

60027	A	1	19	1.62	0.49	1.51
60027	B	0	10	0.47	0.29	0.88
60027	C	0	18	1.1	0.53	2.17
60027	D	0	9	0.03	0.57	1.13
60028	A	1	14	2.04	0.66	0.93
60028	B	0	18	0.15	0.24	0.99
60028	C	0	7	-0.48	0.27	0.39
60028	D	0	17	0.26	0.29	1.14
60029	A	1	14	2.11	0.81	2.02
60029	B	0	5	0.23	0.47	0.65
60029	C	0	30	0.84	0.3	1.99
60029	D	0	8	0.23	0.36	0.69
60030	A	1	26	1.73	0.35	0.8
60030	B	0	18	0.08	0.21	0.75
60030	C	0	4	0.08	0.17	0.58
60030	D	0	7	-0.34	0.32	0.51
60031	A	1	32	1.91	0.34	0.6
60031	B	0	8	-0.53	0.32	0.49
60031	C	0	9	-0.37	0.21	0.47
60031	D	0	5	-0.45	0.4	0.46
60032	A	1	32	1.99	0.33	0.54
60032	B	0	3	-0.21	0.17	0.43
60032	C	0	11	-0.23	0.2	0.5
60032	D	0	7	-0.87	0.42	0.31
60033	A	1	20	2.64	0.53	0.66
60033	B	0	20	-0.14	0.19	0.54
60033	C	0	7	0.04	0.34	0.58
60033	D	0	7	0.21	0.37	0.78
60034	A	1	46	1.74	0.31	0.76
60034	B	0	2	-0.86	0.37	0.27
60034	C	0	3	-0.58	0.4	0.38
60034	D	0	3	-0.85	0.24	0.27
60035	A	1	35	1.72	0.35	0.81
60035	B	0	4	-0.59	0.41	0.38
60035	C	0	7	0.26	0.23	0.84
60035	D	0	7	-0.38	0.39	0.5

60036	A	1	32	1.43	0.36	0.88
60036	B	0	10	-0.07	0.28	0.79
60036	C	0	8	-0.41	0.29	0.57
60036	D	0	5	-0.08	0.26	0.68
60037	A	1	38	1.38	0.35	0.96
60037	B	0	5	-0.67	0.3	0.45
60037	C	0	9	-0.1	0.35	1.06
60037	D	0	1	-0.49	0	0.47
60038	A	1	19	1.95	0.52	1.1
60038	B	0	14	0.76	0.5	1.59
60038	C	0	18	0.1	0.16	0.58
60038	D	0	3	0.41	0.86	1.18
60039	A	1	1297	1.24	0.05	1.14
60039	B	0	670	0.14	0.04	1.16
60039	C	0	236	-0.06	0.06	0.92
60039	D	0	237	-0.67	0.1	0.63
60040	A	1	32	1.58	0.32	0.73
60040	B	0	12	-0.05	0.16	0.66
60040	C	0	6	-0.38	0.3	0.49
60040	D	0	5	-0.36	0.24	0.45
60041	A	1	8	1.16	0.58	2.65
60041	B	0	17	0.62	0.48	1.97
60041	C	0	23	0.64	0.16	0.95
60041	D	0	6	-0.07	0.34	0.52
60042	A	1	11	1.62	0.57	1.29
60042	B	0	18	0.28	0.19	0.76
60042	C	0	21	0.55	0.36	1.18
60042	D	0	4	0.03	0.67	0.83
60043	A	1	29	0.95	0.35	1.65
60043	B	0	18	0.48	0.2	1.2
60043	C	0	3	2.36	0.79	7.28
60043	D	0	4	0.61	0.45	1.3
60044	A	1	31	0.38	0.19	0.97
60044	B	0	11	-0.08	0.31	1.46
60044	C	0	7	-0.92	0.42	0.62
60044	D	0	4	-0.37	0.45	0.96

60045	A	1	33	1.2	0.28	0.89
60045	B	0	9	-0.28	0.3	0.72
60045	C	0	6	-0.14	0.18	0.63
60045	D	0	5	-1.04	1.45	1.1
60046	A	1	30	1.47	0.32	0.85
60046	B	0	14	-0.2	0.28	0.95
60046	C	0	6	-0.49	0.27	0.48
60046	D	0	4	-1.65	1.68	0.65
60047	A	1	14	1.41	0.51	1.19
60047	B	0	10	-0.28	0.2	0.5
60047	C	0	21	0.48	0.23	1.28
60047	D	0	9	-0.83	0.83	0.89
60048	A	1	35	1.55	0.29	1.3
60048	B	0	6	0.54	0.24	0.97
60048	C	0	12	-0.17	0.21	0.52
60048	D	0	2	-0.69	0.57	0.29
60049	A	1	26	1.98	0.38	0.71
60049	B	0	13	0.09	0.28	0.77
60049	C	0	11	0.12	0.19	0.6
60049	D	0	6	-0.53	1.03	0.7
60050	A	1	40	1.46	0.29	0.77
60050	B	0	6	-0.16	0.26	0.69
60050	C	0	6	-0.57	0.32	0.52
60050	D	0	4	-1.13	0.67	0.46
60051	A	1	41	0.96	0.25	0.82
60051	B	0	10	-0.78	0.24	0.51
60051	C	0	3	-0.38	0.44	0.69
60051	D	0	1	-0.13	0	0.76
60052	A	1	41	0.97	0.29	1.13
60052	B	0	2	-0.63	0.15	0.42
60052	C	0	10	1.19	0.71	5.04
60052	D	0	2	-3.44	3.21	0.31
60053	A	1	38	1.09	0.31	1.05
60053	B	0	4	-0.21	0.37	0.86
60053	C	0	8	-0.15	0.13	0.81
60053	D	0	4	-2.51	1.34	0.22

60054	A	1	30	1.23	0.3	0.72
60054	B	0	17	-0.17	0.17	0.73
60054	C	0	3	-1.37	0.51	0.24
60054	D	0	2	-0.03	0.79	0.91
60055	A	1	34	1.11	0.32	1.3
60055	B	0	5	1.44	1.35	5.35
60055	C	0	11	-0.05	0.25	0.93
60055	D	0	3	-1.29	0.52	0.24
60056	A	1	29	1.04	0.21	1.09
60056	B	0	7	-0.31	0.17	0.47
60056	C	0	16	0.55	0.24	1.66
60056	D	0	3	-3.06	1.82	0.17
60057	A	1	20	1.08	0.38	1.54
60057	B	0	23	0.28	0.25	1.46
60057	C	0	10	0.22	0.19	0.81
60057	D	0	3	-0.53	0.2	0.34
60058	A	1	35	1.33	0.33	0.75
60058	B	0	9	-0.45	0.26	0.78
60058	C	0	7	-1.02	0.36	0.48
60058	D	0	2	-1.07	1.25	0.56
60059	A	1	43	1.4	0.27	0.89
60059	B	0	8	0.23	0.26	1.03
60059	C	0	5	-1.09	0.45	0.29
60059	D	0	0	0	0	0
60060	A	1	43	1.11	0.25	0.86
60060	B	0	9	-0.32	0.24	0.77
60060	C	0	2	-0.72	0.39	0.43
60060	D	0	1	-6.52	0	0.03
60061	A	1	50	0.74	0.25	1.09
60061	B	0	4	0.09	0.43	1.47
60061	C	0	2	-1.06	0.25	0.36
60061	D	0	0	0	0	0
60062	A	1	42	0.64	0.22	1
60062	B	0	5	-0.48	0.31	0.69
60062	C	0	7	0	0.39	1.4
60062	D	0	3	-1.9	2.33	1.08

60063	A	1	45	0.69	0.16	0.83
60063	B	0	2	-0.86	0.52	0.49
60063	C	0	3	-0.32	0.23	0.78
60063	D	0	6	-1.75	1.06	0.63
60064	A	1	19	1.39	0.36	0.66
60064	B	0	14	-0.12	0.27	0.94
60064	C	0	9	-0.19	0.15	0.63
60064	D	0	11	-0.93	0.6	0.57
60065	A	1	43	0.77	0.16	0.94
60065	B	0	2	0.42	1.31	2.34
60065	C	0	3	0.18	0.68	1.33
60065	D	0	8	-0.49	0.45	0.91
60066	A	1	47	1.03	0.25	0.83
60066	B	0	2	-1.72	0.98	0.26
60066	C	0	3	-1.03	0.43	0.4
60066	D	0	5	-0.62	0.46	0.71
60067	A	1	47	0.98	0.23	0.98
60067	B	0	3	-0.76	0.27	0.37
60067	C	0	1	1.15	0	2.3
60067	D	0	6	-0.02	0.41	1.07
60068	A	1	52	0.9	0.25	0.87
60068	B	0	0	0	0	0
60068	C	0	1	-1.16	0	0.42
60068	D	0	2	-2.18	4.47	6.34
60069	A	1	43	0.91	0.19	0.81
60069	B	0	7	-0.35	0.37	1.03
60069	C	0	2	-1.37	1.34	0.46
60069	D	0	4	-1.24	0.58	0.44
60070	A	1	36	1.25	0.21	0.66
60070	B	0	7	-0.57	0.13	0.43
60070	C	0	6	-0.68	0.38	0.51
60070	D	0	8	-0.59	0.69	2
60071	A	1	38	1.23	0.3	0.86
60071	B	0	6	-0.75	0.3	0.47
60071	C	0	8	-0.03	0.19	0.87
60071	D	0	4	-1.85	1.07	0.3

60072	A	1	27	0.64	0.2	0.97
60072	B	0	1	0.01	0	0.84
60072	C	0	21	0.03	0.4	2.13
60072	D	0	8	-0.66	0.49	0.92
60073	A	1	26	0.64	0.35	1.76
60073	B	0	5	-0.68	0.21	0.39
60073	C	0	24	0.19	0.2	1.37
60073	D	0	2	-0.61	0.18	0.39
60074	A	1	34	0.53	0.2	1.17
60074	B	0	15	-0.02	0.22	1.15
60074	C	0	6	-0.35	0.62	1.05
60074	D	0	0	0	0	0
60075	A	1	35	1.11	0.18	0.83
60075	B	0	4	-1.47	0.67	0.29
60075	C	0	14	-0.41	0.17	0.6
60075	D	0	2	-0.27	0.2	0.57
60076	A	1	28	1.32	0.27	0.73
60076	B	0	20	-0.22	0.17	0.71
60076	C	0	5	-0.47	0.43	0.58
60076	D	0	1	-3.23	0	0.03
60077	A	1	16	1.1	0.49	1.56
60077	B	0	6	-0.56	0.18	0.35
60077	C	0	30	0.38	0.19	1.42
60077	D	0	2	-1.46	1.76	0.39
60078	A	1	18	1.48	0.54	1.3
60078	B	0	24	-0.11	0.15	0.64
60078	C	0	13	0.55	0.3	1.39
60078	D	0	1	0.6	0	1
60079	A	1	25	0.43	0.22	1.64
60079	B	0	27	0.05	0.19	1.5
60079	C	0	3	-0.75	0.3	0.42
60079	D	0	1	0.03	0	0.83
60080	A	1	21	1	0.36	1.02
60080	B	0	11	-0.34	0.44	1.69
60080	C	0	23	0.15	0.24	1.63
60080	D	0	1	-0.32	0	0.49

60081	A	1	27	1.1	0.3	1.37
60081	B	0	17	0.5	0.33	2.11
60081	C	0	5	1.25	1.38	3.35
60081	D	0	5	0.01	0.23	0.59
60082	A	1	21	1.04	0.38	1.31
60082	B	0	22	0.04	0.22	1.17
60082	C	0	6	-0.59	0.38	0.51
60082	D	0	4	-0.37	0.5	0.69
60083	A	1	23	0.87	0.23	0.99
60083	B	0	23	-0.16	0.21	0.99
60083	C	0	5	-0.08	0.21	0.71
60083	D	0	2	0.31	0.28	1.01
60084	A	1	17	1.22	0.32	0.93
60084	B	0	29	-0.16	0.14	0.82
60084	C	0	7	-0.44	0.35	0.64
60084	D	0	1	-6.65	0	0.01
60085	A	1	26	1.71	0.43	1.28
60085	B	0	22	0.42	0.23	1.33
60085	C	0	4	-0.69	0.4	0.31
60085	D	0	1	-1.26	0	0.14
60086	A	1	33	1.87	0.35	0.87
60086	B	0	7	-0.13	0.43	0.79
60086	C	0	8	0.01	0.44	1.1
60086	D	0	5	-1.02	0.7	0.44
60087	A	1	45	0.5	0.23	1.31
60087	B	0	3	-0.74	0.26	0.57
60087	C	0	6	-0.44	0.24	0.83
60087	D	0	0	0	0	0
60088	A	1	40	1.01	0.29	1.23
60088	B	0	6	-0.9	0.19	0.42
60088	C	0	5	-0.3	0.2	0.74
60088	D	0	2	-1.33	0.37	0.26
60089	A	1	44	0.54	0.19	0.91
60089	B	0	3	-0.64	0.42	0.68
60089	C	0	5	-0.97	0.19	0.45
60089	D	0	1	-0.77	0	0.51

60090	A	1	21	1.16	0.34	1.11
60090	B	0	13	0.42	0.35	1.5
60090	C	0	8	1.12	0.81	2.51
60090	D	0	11	-0.35	0.3	0.56
60091	A	1	33	0.96	0.27	0.75
60091	B	0	15	-0.56	0.25	0.82
60091	C	0	4	0.01	0.4	1.17
60091	D	0	4	-2.76	1.48	0.25
60092	A	1	50	1.28	0.27	0.78
60092	B	0	2	-1.29	0.27	0.24
60092	C	0	2	-0.85	0.42	0.39
60092	D	0	3	-0.97	1.07	0.89
60093	A	1	47	1.09	0.28	0.85
60093	B	0	3	-0.94	0.21	0.39
60093	C	0	4	-0.09	0.52	1.25
60093	D	0	2	-3.89	2.58	0.14
60094	A	1	44	1.16	0.29	1.12
60094	B	0	6	-0.72	0.23	0.45
60094	C	0	4	-0.51	0.25	0.53
60094	D	0	2	0.31	1.49	2.6
60095	A	1	29	1.3	0.39	0.97
60095	B	0	13	-0.01	0.4	1.67
60095	C	0	7	-0.95	0.14	0.34
60095	D	0	7	-1.24	0.91	0.58
60096	A	1	39	0.82	0.26	0.86
60096	B	0	5	-0.62	0.24	0.58
60096	C	0	9	-0.39	0.36	1.09
60096	D	0	2	-3.08	3.39	0.66
60097	A	1	46	1.06	0.28	0.98
60097	B	0	6	-0.83	0.3	0.5
60097	C	0	4	-0.33	0.19	0.67
60097	D	0	1	-0.12	0	0.78
60098	A	1	47	1.26	0.27	0.83
60098	B	0	3	-0.58	0.34	0.54
60098	C	0	3	-1.58	0.25	0.19
60098	D	0	2	-0.77	0.09	0.41

60099	A	1	37	1.99	0.33	0.61
60099	B	0	7	-0.51	0.21	0.38
60099	C	0	9	-0.08	1.01	2.62
60099	D	0	2	-1.84	0.57	0.1
60100	A	1	13	2.34	0.58	0.79
60100	B	0	21	0.38	0.37	1.14
60100	C	0	12	0.45	0.36	1.01
60100	D	0	11	0.22	0.42	1.01
60151	A	1	38	0.86	0.24	1.23
60151	B	0	8	0.22	0.3	1.34
60151	C	0	2	-0.29	0.06	0.57
60151	D	0	7	-0.56	0.16	0.48
60152	A	1	9	0.84	0.34	1.4
60152	B	0	14	0.33	0.23	0.96
60152	C	0	26	0.66	0.16	1.18
60152	D	0	6	0.03	0.37	0.64
60153	A	1	17	1.54	0.37	0.69
60153	B	0	19	0.16	0.2	0.89
60153	C	0	17	-0.22	0.45	0.94
60153	D	0	4	-2.27	1.79	0.6
60154	A	1	6	0.26	0.47	3.44
60154	B	0	22	1.07	0.25	2.08
60154	C	0	24	0.52	0.14	0.83
60154	D	0	6	-1.93	1.12	0.21
60155	A	1	42	0.56	0.18	0.76
60155	B	0	3	-0.35	0.24	0.85
60155	C	0	2	-0.28	0.23	0.87
60155	D	0	4	-3.95	1.74	0.27
60156	A	1	8	0.46	0.4	1.64
60156	B	0	21	0.27	0.18	1.12
60156	C	0	10	0.34	0.35	1.4
60156	D	0	16	0.03	0.26	0.84
60157	A	1	30	0.8	0.2	1.34
60157	B	0	11	0.59	0.27	1.34
60157	C	0	19	0.64	0.22	1.56
60157	D	0	6	-0.31	0.31	0.51

60158	A	1	19	1.86	0.48	1.07
60158	B	0	31	0.26	0.15	0.79
60158	C	0	6	0.21	0.68	1.81
60158	D	0	8	-0.41	0.45	0.53
60159	A	1	22	1.09	0.17	1.06
60159	B	0	6	0.63	0.35	0.98
60159	C	0	15	0.48	0.23	0.9
60159	D	0	18	0.98	0.41	2.03
60160	A	1	12	0.64	0.43	2.95
60160	B	0	26	0.4	0.2	1.26
60160	C	0	3	0.4	0.65	1.03
60160	D	0	16	0.26	0.22	0.88
60161	A	1	20	1.92	0.53	1.02
60161	B	0	15	0.45	0.15	0.8
60161	C	0	10	0.49	0.3	1.05
60161	D	0	12	0.34	0.17	0.7
60162	A	1	39	1.01	0.16	0.91
60162	B	0	7	0.23	0.33	1.07
60162	C	0	12	-0.22	0.4	0.92
60162	D	0	2	-0.49	0.23	0.39
60163	A	1	15	0.94	0.25	1.25
60163	B	0	24	0.69	0.18	1.38
60163	C	0	5	-0.05	0.67	1.29
60163	D	0	10	-0.03	0.23	0.57
60164	A	1	17	1.9	0.73	2.23
60164	B	0	14	-0.23	0.51	0.75
60164	C	0	21	0.54	0.27	1.55
60164	D	0	4	-1.27	0.91	0.38
60165	A	1	9	1.21	0.81	1.65
60165	B	0	6	-0.34	0.49	0.62
60165	C	0	23	0.55	0.15	1.19
60165	D	0	21	-0.54	0.35	0.89
60166	A	1	52	0.06	0.19	1.44
60166	B	0	0	0	0	0
60166	C	0	1	-0.34	0	1.3
60166	D	0	1	-0.45	0	1.16

60167	A	1	40	0.84	0.23	0.95
60167	B	0	15	-0.48	0.45	0.9
60167	C	0	1	-0.7	0	0.43
60167	D	0	8	-1.25	1.01	1.49
60168	A	1	37	1.43	0.31	0.73
60168	B	0	6	-0.25	0.26	0.69
60168	C	0	2	-0.78	0.08	0.34
60168	D	0	15	-0.8	0.29	0.52
60169	A	1	39	0.8	0.21	1.11
60169	B	0	2	-0.09	0.02	0.65
60169	C	0	3	0.29	0.48	1.14
60169	D	0	10	-0.01	0.42	1.27
60170	A	1	38	1.04	0.25	0.85
60170	B	0	5	-0.45	0.26	0.63
60170	C	0	4	-0.97	0.33	0.37
60170	D	0	4	-0.92	0.58	0.56
60171	A	1	17	1.86	0.62	1.4
60171	B	0	8	0.6	0.35	1.16
60171	C	0	18	0.73	0.39	1.59
60171	D	0	9	-0.01	0.36	0.63
60172	A	1	7	1.68	0.86	1.12
60172	B	0	21	0.94	0.42	2.4
60172	C	0	15	0.13	0.21	0.61
60172	D	0	12	0	0.32	0.55
60173	A	1	30	1	0.16	0.72
60173	B	0	9	-0.29	0.46	0.98
60173	C	0	8	-0.66	0.42	0.57
60173	D	0	6	-0.44	0.19	0.51
60174	A	1	15	1.1	0.41	1.71
60174	B	0	10	0.34	0.24	1.03
60174	C	0	14	0.07	0.22	0.83
60174	D	0	21	-0.1	0.22	0.81
60175	A	1	25	1.86	0.42	0.83
60175	B	0	7	-0.25	0.14	0.44
60175	C	0	18	0.16	0.18	0.88
60175	D	0	7	-0.23	0.41	0.66

60176	A	1	20	1.07	0.4	1.24
60176	B	0	11	0.13	0.29	1.41
60176	C	0	16	-0.33	0.15	0.67
60176	D	0	12	-0.7	0.34	0.64
60177	A	1	11	1.52	0.67	1.55
60177	B	0	21	0.56	0.2	1.01
60177	C	0	14	1.33	0.59	1.87
60177	D	0	11	-0.56	0.67	0.49
60178	A	1	20	1.79	0.61	1.08
60178	B	0	17	0.15	0.23	1
60178	C	0	5	-0.36	0.84	1.07
60178	D	0	12	-0.27	0.43	1.5
60179	A	1	22	1.19	0.36	1.48
60179	B	0	14	0.56	0.28	1.21
60179	C	0	12	0.24	0.24	0.76
60179	D	0	15	0.59	0.29	1.28
60180	A	1	21	1.44	0.48	1.23
60180	B	0	19	-0.06	0.13	0.81
60180	C	0	9	-0.52	0.37	0.62
60180	D	0	4	-0.9	0.57	0.47
60181	A	1	36	1.32	0.28	0.85
60181	B	0	12	0.08	0.28	1.01
60181	C	0	3	-0.32	0.29	0.5
60181	D	0	9	-0.53	0.36	0.54
60182	A	1	24	1.03	0.32	1.31
60182	B	0	16	0.32	0.23	1.35
60182	C	0	4	-0.49	0.7	0.65
60182	D	0	11	-0.82	0.63	0.57
60183	A	1	33	0.84	0.19	1.32
60183	B	0	6	-0.38	0.26	0.58
60183	C	0	8	0.1	0.34	1.17
60183	D	0	9	-0.38	0.31	0.7
60184	A	1	10	1.61	0.28	0.78
60184	B	0	21	0.25	0.22	0.89
60184	C	0	12	0.57	0.28	1.11
60184	D	0	12	0.21	0.24	0.73

60185	A	1	20	2.78	0.52	0.6
60185	B	0	15	-0.06	0.24	0.54
60185	C	0	14	0.16	0.21	0.65
60185	D	0	8	-0.44	0.42	0.45
60186	A	1	32	1.31	0.38	0.99
60186	B	0	11	0.12	0.33	1.49
60186	C	0	8	-0.58	0.17	0.48
60186	D	0	6	-0.41	0.41	0.85
60187	A	1	35	1.26	0.27	0.72
60187	B	0	5	0.18	0.24	0.91
60187	C	0	20	-0.49	0.17	0.5
60187	D	0	0	0	0	0
60188	A	1	28	1.16	0.39	1.7
60188	B	0	2	0.19	0.45	0.95
60188	C	0	20	-0.13	0.19	0.86
60188	D	0	4	-0.75	0.19	0.36
60189	A	1	36	1.25	0.3	0.9
60189	B	0	10	-0.75	0.29	0.61
60189	C	0	7	-0.76	0.12	0.43
60189	D	0	4	-1.12	0.43	0.38
60190	A	1	18	1.13	0.39	1.2
60190	B	0	26	0.44	0.18	1.15
60190	C	0	10	-0.08	0.2	0.59
60190	D	0	1	-1.02	0	0.19
60191	A	1	34	1.07	0.25	1.03
60191	B	0	4	0.64	0.24	1.4
60191	C	0	12	-0.22	0.17	0.66
60191	D	0	5	-0.65	0.23	0.39
60192	A	1	21	0.91	0.26	1.08
60192	B	0	28	-0.3	0.12	0.74
60192	C	0	3	-1.04	0.46	0.35
60192	D	0	1	-1.01	0	0.3
60193	A	1	38	1.05	0.26	0.94
60193	B	0	4	0.47	0.6	1.78
60193	C	0	9	-0.74	0.22	0.43
60193	D	0	1	0.66	0	1.45

60194	A	1	32	1.01	0.18	1.05
60194	B	0	5	0.08	0.32	0.87
60194	C	0	13	-0.55	0.19	0.49
60194	D	0	5	0.16	0.26	0.91
60195	A	1	27	1.1	0.3	1.16
60195	B	0	5	-0.12	0.39	0.79
60195	C	0	10	0.04	0.32	1
60195	D	0	11	-0.2	0.38	0.86
60196	A	1	25	1.18	0.37	0.82
60196	B	0	10	-0.89	0.31	0.46
60196	C	0	13	0.21	0.22	1.27
60196	D	0	7	-1.23	0.51	0.4
60197	A	1	34	1.39	0.31	0.89
60197	B	0	8	0.35	0.16	0.97
60197	C	0	4	-0.16	0.42	0.69
60197	D	0	7	-1.03	0.47	0.36
60198	A	1	30	1.36	0.25	0.81
60198	B	0	7	0.25	0.44	1.2
60198	C	0	10	0.38	0.4	1.88
60198	D	0	6	-1.11	0.57	0.35
60199	A	1	29	1.73	0.43	1.04
60199	B	0	5	-0.42	0.34	0.48
60199	C	0	16	0.38	0.26	1.49
60199	D	0	5	-1.01	0.58	0.35
60200	A	1	31	0.94	0.21	1.13
60200	B	0	2	0.36	1.13	1.66
60200	C	0	7	0.52	0.51	2.26
60200	D	0	13	-0.55	0.32	0.63
60201	A	1	39	1.11	0.27	0.95
60201	B	0	5	0	0.41	1.23
60201	C	0	4	-0.74	0.5	0.65
60201	D	0	3	-3.52	1.85	0.19
60202	A	1	41	0.93	0.14	0.71
60202	B	0	5	-0.69	0.31	0.48
60202	C	0	7	-0.29	0.35	0.9
60202	D	0	3	-1.94	0.63	0.17

60203	A	1	39	1.05	0.21	0.87
60203	B	0	7	0.18	0.37	1.11
60203	C	0	6	-0.41	0.34	0.59
60203	D	0	3	-0.45	1.31	1.06
60204	A	1	47	0.94	0.23	0.93
60204	B	0	5	-0.63	0.41	0.67
60204	C	0	3	-0.85	0.21	0.39
60204	D	0	0	0	0	0
60205	A	1	47	0.89	0.18	0.88
60205	B	0	4	-0.06	0.36	0.86
60205	C	0	0	0	0	0
60205	D	0	4	-1.15	0.68	0.4
60206	A	1	45	0.91	0.14	0.77
60206	B	0	3	-0.43	0.33	0.54
60206	C	0	1	-1.29	0	0.21
60206	D	0	5	-0.94	0.63	0.55
60207	A	1	52	1.03	0.26	1.12
60207	B	0	1	-1.09	0	0.35
60207	C	0	1	-1.76	0	0.18
60207	D	0	1	-0.32	0	0.75
60208	A	1	38	0.84	0.21	1.1
60208	B	0	2	-0.83	0.26	0.35
60208	C	0	15	-0.07	0.26	1.18
60208	D	0	0	0	0	0
60209	A	1	37	1.13	0.18	0.89
60209	B	0	13	0.11	0.29	0.89
60209	C	0	9	0.19	0.33	1
60209	D	0	4	-0.04	0.45	0.71
60210	A	1	37	0.84	0.21	0.99
60210	B	0	13	-0.19	0.33	1.01
60210	C	0	4	0.5	0.52	1.63
60210	D	0	1	0.21	0	0.86
60211	A	1	44	0.49	0.27	2.1
60211	B	0	4	0.02	0.21	1.21
60211	C	0	2	-1.24	0.02	0.32
60211	D	0	3	-0.76	0.74	0.88

60212	A	1	38	0.73	0.15	0.84
60212	B	0	7	-0.65	0.07	0.48
60212	C	0	5	-0.32	0.37	0.9
60212	D	0	2	-2.08	0.22	0.12
60213	A	1	31	1.33	0.31	0.97
60213	B	0	9	0.21	0.2	0.97
60213	C	0	12	-0.36	0.19	0.62
60213	D	0	2	-1.75	0.11	0.12
60214	A	1	40	0.74	0.21	0.72
60214	B	0	7	-0.84	0.25	0.59
60214	C	0	2	-3.64	3.01	0.31
60214	D	0	5	-1.19	0.45	0.52
60215	A	1	44	0.43	0.2	1.03
60215	B	0	2	-0.13	0.82	1.14
60215	C	0	10	-0.01	0.38	1.54
60215	D	0	0	0	0	0
60216	A	1	43	1.03	0.22	0.7
60216	B	0	6	0.24	0.45	1.61
60216	C	0	2	-0.87	0.17	0.36
60216	D	0	6	-1.7	0.23	0.18
60217	A	1	43	0.8	0.26	1.02
60217	B	0	6	-1.14	0.22	0.43
60217	C	0	6	-1.03	0.44	0.69
60217	D	0	1	-2.08	0	0.15
60218	A	1	23	1.4	0.31	0.85
60218	B	0	14	0.18	0.26	0.97
60218	C	0	14	-0.07	0.31	0.88
60218	D	0	8	0.34	0.82	1.25
60219	A	1	16	1.95	0.6	1.99
60219	B	0	7	-0.02	0.45	0.78
60219	C	0	28	0.49	0.16	0.91
60219	D	0	4	-0.82	0.86	0.43
60220	A	1	11	0.98	0.69	2.9
60220	B	0	4	0.64	0.67	1.46
60220	C	0	36	0.52	0.16	1.04
60220	D	0	7	0.51	0.55	1.36

60221	A	1	42	1.17	0.22	0.75
60221	B	0	5	-0.07	0.12	0.67
60221	C	0	7	-0.51	0.2	0.48
60221	D	0	2	-2.61	0.59	0.06
60222	A	1	44	1.24	0.27	0.88
60222	B	0	7	-0.12	0.52	1.25
60222	C	0	3	0.03	0.15	0.78
60222	D	0	3	-2.01	1.01	0.26
60223	A	1	44	1.05	0.25	0.94
60223	B	0	4	-0.14	0.37	0.88
60223	C	0	3	-0.43	0.28	0.57
60223	D	0	3	-1.34	1.09	0.47
60224	A	1	51	1.02	0.24	0.88
60224	B	0	2	0.48	1.22	2.71
60224	C	0	2	-0.88	0.26	0.39
60224	D	0	1	-3.45	0	0.04
60225	A	1	47	1.04	0.24	0.82
60225	B	0	4	-1.18	0.77	0.6
60225	C	0	4	-1.2	0.54	0.45
60225	D	0	1	-3.45	0	0.04
60226	A	1	45	0.63	0.16	1.12
60226	B	0	6	-0.17	0.38	1.01
60226	C	0	1	0.57	0	1.49
60226	D	0	5	-0.32	0.49	0.9
60227	A	1	21	1.42	0.35	1.18
60227	B	0	15	1.12	0.32	2.23
60227	C	0	19	-0.04	0.16	0.54
60227	D	0	1	1.06	0	1.21
60228	A	1	37	1.32	0.22	0.84
60228	B	0	15	0.11	0.35	1.22
60228	C	0	2	0.24	0.07	0.68
60228	D	0	4	-1.09	0.89	0.42
60229	A	1	24	0.72	0.19	1.37
60229	B	0	9	1.1	0.85	4.17
60229	C	0	20	0.25	0.2	1.09
60229	D	0	4	-0.87	1.02	0.67

60230	A	1	29	1.16	0.19	1.04
60230	B	0	22	-0.05	0.19	0.7
60230	C	0	2	2.06	0.02	3.91
60230	D	0	3	0.06	1.6	2
60231	A	1	20	2.09	0.52	1.14
60231	B	0	15	0.32	0.19	0.72
60231	C	0	13	0.42	0.38	1.12
60231	D	0	9	-0.31	0.34	0.44
60232	A	1	23	1.84	0.39	0.94
60232	B	0	16	0.11	0.21	0.63
60232	C	0	11	1.12	0.2	1.5
60232	D	0	9	-0.76	0.6	0.45
60233	A	1	20	1.97	0.49	0.64
60233	B	0	8	-0.22	0.26	0.63
60233	C	0	12	-0.46	0.23	0.51
60233	D	0	14	-0.09	0.21	0.73
60234	A	1	21	1.71	0.44	0.7
60234	B	0	9	-0.03	0.16	0.65
60234	C	0	12	-0.09	0.17	0.63
60234	D	0	11	-0.73	0.67	0.79
60235	A	1	19	1.29	0.4	1.08
60235	B	0	4	0.2	0.43	0.92
60235	C	0	18	-0.05	0.23	0.82
60235	D	0	14	0.18	0.24	0.9
60236	A	1	12	2.22	0.69	0.95
60236	B	0	3	-0.93	1.06	0.37
60236	C	0	38	0.66	0.17	1.17
60236	D	0	2	-3.85	2.77	0.06
60237	A	1	15	1.35	0.53	1.81
60237	B	0	7	0.36	0.4	1.05
60237	C	0	30	0.31	0.35	1.76
60237	D	0	6	-1.52	1.16	0.38
60238	A	1	20	1.22	0.35	1.14
60238	B	0	8	-0.28	0.35	0.64
60238	C	0	20	0.12	0.25	1.14
60238	D	0	8	-0.64	1.02	1.43

60239	A	1	40	0.66	0.22	1.21
60239	B	0	6	0.76	0.37	2.13
60239	C	0	6	-0.06	0.67	1.88
60239	D	0	1	0.38	0	1.14
60240	A	1	31	1.05	0.32	1.17
60240	B	0	8	-0.23	0.36	0.81
60240	C	0	13	0.35	0.26	1.26
60240	D	0	7	0.32	0.42	1.2
60241	A	1	29	0.8	0.39	3.18
60241	B	0	15	0.23	0.29	1.66
60241	C	0	9	-0.22	0.28	0.81
60241	D	0	1	-1.86	0	0.11
60242	A	1	53	1.22	0.19	1.01
60242	B	0	2	0.94	0.25	1.48
60242	C	0	5	-0.43	0.32	0.45
60242	D	0	4	-0.02	0.19	0.59
60243	A	1	39	0.94	0.16	0.93
60243	B	0	9	-0.15	0.33	0.84
60243	C	0	5	-0.01	0.38	0.88
60243	D	0	2	-0.81	0.19	0.3
60244	A	1	38	1.12	0.22	0.8
60244	B	0	4	0.01	0.5	0.98
60244	C	0	3	-1.16	0.24	0.24
60244	D	0	7	-0.51	0.38	0.57
60245	A	1	39	1.26	0.27	0.85
60245	B	0	6	-0.36	0.39	0.73
60245	C	0	2	-1.42	0	0.17
60245	D	0	7	-0.16	0.32	0.85
60246	A	1	34	1.01	0.24	1.06
60246	B	0	8	-0.25	0.33	0.77
60246	C	0	8	0.7	0.28	1.7
60246	D	0	3	-3.42	1.93	0.18
60247	A	1	39	1.46	0.3	0.85
60247	B	0	3	-2.69	2.1	0.44
60247	C	0	8	-0.21	0.33	0.84
60247	D	0	3	-0.99	1.02	0.51

60248	A	1	33	0.9	0.24	0.98
60248	B	0	19	-0.27	0.21	0.92
60248	C	0	2	-0.11	0.67	0.88
60248	D	0	4	-0.64	0.37	0.52
60249	A	1	55	0.59	0.19	0.84
60249	B	0	1	-1.84	0	0.23
60249	C	0	0	0	0	0
60249	D	0	3	-2.48	0.69	0.22
60250	A	1	47	0.84	0.19	1.04
60250	B	0	1	-1.19	0	0.32
60250	C	0	6	-1.81	0.93	0.38
60250	D	0	1	-0.91	0	0.42
60251	A	1	29	0.84	0.2	0.95
60251	B	0	6	0.14	0.47	1.3
60251	C	0	10	-0.19	0.23	0.79
60251	D	0	7	-0.58	0.49	0.71
60252	A	1	21	1.4	0.3	0.9
60252	B	0	8	-0.51	0.22	0.41
60252	C	0	22	0.2	0.18	1.04
60252	D	0	2	-4	2.95	0.11
60253	A	1	44	0.72	0.22	0.99
60253	B	0	6	-0.49	0.32	0.92
60253	C	0	3	-1	0.4	0.5
60253	D	0	3	-3.19	1.73	0.2
60254	A	1	19	1.19	0.46	1.19
60254	B	0	5	0.19	0.36	1.01
60254	C	0	8	-0.56	0.24	0.46
60254	D	0	13	0.16	0.23	1.06
60255	A	1	20	0.88	0.26	1.59
60255	B	0	22	0.47	0.21	1.29
60255	C	0	7	0.04	0.33	0.71
60255	D	0	10	-0.4	0.77	0.97
60256	A	1	22	2	0.37	0.9
60256	B	0	8	0.11	0.29	0.5
60256	C	0	14	0.57	0.26	0.94
60256	D	0	11	1	0.63	1.92

60257	A	1	36	1.11	0.25	0.81
60257	B	0	11	-0.44	0.21	0.68
60257	C	0	4	-1.29	0.22	0.24
60257	D	0	5	-0.27	0.28	0.73
60258	A	1	37	1.05	0.23	1
60258	B	0	3	-1.16	0.26	0.24
60258	C	0	3	-0.51	0.4	0.49
60258	D	0	11	0.07	0.25	1.05
60259	A	1	40	1.11	0.26	0.84
60259	B	0	8	-0.03	0.36	1.16
60259	C	0	4	-1.49	0.74	0.34
60259	D	0	1	-1.42	0	0.19
60260	A	1	44	0.94	0.19	0.86
60260	B	0	4	-0.43	0.59	0.92
60260	C	0	4	-0.54	0.51	0.63
60260	D	0	1	-0.38	0	0.52
60261	A	1	40	0.96	0.21	1.03
60261	B	0	4	0.19	0.31	0.96
60261	C	0	7	0.37	0.36	1.41
60261	D	0	3	-2.77	2.11	0.26
60262	A	1	32	0.95	0.24	0.95
60262	B	0	8	0.2	0.24	0.96
60262	C	0	3	-0.86	0.81	0.45
60262	D	0	9	0.07	0.24	0.9
60263	A	1	42	1.03	0.25	0.77
60263	B	0	2	-0.09	0	0.89
60263	C	0	2	-0.15	0.63	1.01
60263	D	0	7	-2.59	1.15	0.41
60264	A	1	28	1.42	0.25	0.7
60264	B	0	8	-0.51	0.3	0.54
60264	C	0	11	0.32	0.28	1.25
60264	D	0	7	-1.8	0.88	0.24
60265	A	1	37	0.73	0.23	0.88
60265	B	0	3	0.92	0.28	2.68
60265	C	0	6	-0.92	0.25	0.47
60265	D	0	7	-0.91	0.28	0.52

60266	A	1	34	1.12	0.22	0.85
60266	B	0	3	-1	0.21	0.27
60266	C	0	9	-0.34	0.37	0.81
60266	D	0	9	-0.68	0.76	0.75
60267	A	1	19	1.32	0.47	1.23
60267	B	0	27	0.56	0.16	1.17
60267	C	0	2	0.88	0.4	1.33
60267	D	0	7	-0.84	0.43	0.32
60268	A	1	41	0.73	0.2	0.7
60268	B	0	8	-1.19	0.15	0.37
60268	C	0	2	-1.53	0.11	0.24
60268	D	0	1	-1.32	0	0.3
60269	A	1	19	1.27	0.39	1.26
60269	B	0	17	0.83	0.23	1.56
60269	C	0	14	-0.2	0.28	0.65
60269	D	0	4	-0.15	0.35	0.49
60270	A	1	31	1.25	0.28	0.87
60270	B	0	9	0.02	0.25	0.86
60270	C	0	9	-0.38	0.31	0.61
60270	D	0	10	-0.9	0.78	0.91
60271	A	1	47	0.99	0.22	0.87
60271	B	0	1	-1.35	0	0.22
60271	C	0	5	-0.72	0.34	0.52
60271	D	0	1	-0.79	0	0.39
60272	A	1	25	1.03	0.36	1.47
60272	B	0	3	0.46	0.51	1.23
60272	C	0	14	0.33	0.25	1.48
60272	D	0	12	-0.04	0.22	0.81
60273	A	1	38	1.14	0.28	1.11
60273	B	0	10	0.13	0.28	1.02
60273	C	0	3	0.3	0.62	1.21
60273	D	0	3	-0.26	0.97	0.97
60274	A	1	34	1.31	0.3	0.82
60274	B	0	4	-0.64	0.49	0.49
60274	C	0	9	-0.08	0.34	0.94
60274	D	0	9	-0.81	0.88	1.55

60275	A	1	44	1.04	0.22	0.75
60275	B	0	2	-4.64	2.26	0.06
60275	C	0	4	-0.15	0.45	1.18
60275	D	0	6	-1.44	0.45	0.37
60276	A	1	50	0.64	0.16	0.99
60276	B	0	2	-0.6	0.22	0.59
60276	C	0	3	-1.32	0.06	0.28
60276	D	0	0	0	0	0
60277	A	1	47	0.86	0.24	1.08
60277	B	0	1	-0.57	0	0.54
60277	C	0	4	-0.35	0.41	0.85
60277	D	0	1	-1.38	0	0.24
60278	A	1	20	1.08	0.26	1.34
60278	B	0	23	0.58	0.17	1.17
60278	C	0	8	-0.07	0.5	0.9
60278	D	0	4	-0.27	0.35	0.43
60279	A	1	39	1.12	0.27	0.92
60279	B	0	9	-0.52	0.25	0.6
60279	C	0	5	-0.89	0.58	0.61
60279	D	0	3	0.33	0.98	2.82
60280	A	1	32	0.99	0.26	1.59
60280	B	0	5	-0.69	0.3	0.34
60280	C	0	16	0.57	0.25	1.72
60280	D	0	7	0.32	0.24	0.93
60281	A	1	40	0.96	0.18	0.86
60281	B	0	5	-0.57	0.23	0.45
60281	C	0	6	-0.12	0.38	1
60281	D	0	9	-0.26	0.33	0.85
60282	A	1	34	0.82	0.17	1.16
60282	B	0	4	-0.34	0.95	1.58
60282	C	0	11	0.37	0.2	1.05
60282	D	0	9	0.5	0.36	1.6
60283	A	1	14	1.47	0.48	1.28
60283	B	0	27	0.91	0.17	1.36
60283	C	0	6	0.24	0.46	0.77
60283	D	0	7	-1.13	0.27	0.15

60284	A	1	34	1.03	0.24	1.29
60284	B	0	5	-0.56	0.51	0.47
60284	C	0	11	0.87	0.64	2.45
60284	D	0	6	0.36	0.32	1.04
60285	A	1	29	0.54	0.17	1.19
60285	B	0	4	-0.19	0.39	0.76
60285	C	0	11	0.54	0.31	2.09
60285	D	0	12	-0.2	0.29	0.92
60286	A	1	49	1.06	0.19	1.02
60286	B	0	6	0.37	1.1	3.07
60286	C	0	2	0.12	0.6	0.94
60286	D	0	3	-0.92	0.41	0.33
60287	A	1	51	0.61	0.25	1.08
60287	B	0	1	-0.27	0	0.83
60287	C	0	3	-0.02	0.51	1.4
60287	D	0	0	0	0	0
60288	A	1	40	1.65	0.34	0.83
60288	B	0	6	0.31	0.74	2.55
60288	C	0	7	-0.49	0.31	0.5
60288	D	0	0	0	0	0
60289	A	1	39	0.54	0.16	0.88
60289	B	0	0	0	0	0
60289	C	0	14	-0.21	0.25	1.2
60289	D	0	3	-4.18	1.26	0.06
60290	A	1	35	0.9	0.33	1.25
60290	B	0	11	-0.63	0.33	0.86
60290	C	0	5	0.4	0.62	3.21
60290	D	0	4	-3.01	1.49	0.5
60291	A	1	42	0.8	0.16	0.82
60291	B	0	6	-0.19	0.11	0.72
60291	C	0	4	-0.79	0.5	0.55
60291	D	0	3	-1.33	1.68	2.07
60292	A	1	43	0.61	0.17	0.89
60292	B	0	3	-1.95	0.79	0.23
60292	C	0	6	-0.41	0.37	1.02
60292	D	0	2	-0.5	0.29	0.66

60293	A	1	40	0.65	0.22	0.94
60293	B	0	6	-0.15	0.28	1.02
60293	C	0	6	-0.42	0.56	1.32
60293	D	0	4	-1.07	0.96	1
60294	A	1	39	1.03	0.23	0.79
60294	B	0	2	-0.38	0.1	0.59
60294	C	0	6	0.35	0.46	2.07
60294	D	0	7	-2.13	0.9	0.41
60295	A	1	39	1.29	0.28	0.8
60295	B	0	4	-0.49	0.35	0.55
60295	C	0	4	0.42	0.77	2.61
60295	D	0	9	-1.27	0.38	0.34
60296	A	1	41	1.29	0.28	0.97
60296	B	0	3	0.03	0.66	1.22
60296	C	0	5	0.76	0.58	3.39
60296	D	0	6	-2.07	0.84	0.26
60297	A	1	46	0.65	0.25	0.91
60297	B	0	1	-0.16	0	0.94
60297	C	0	1	-0.72	0	0.54
60297	D	0	6	-0.79	0.66	1.12
60298	A	1	40	1.06	0.2	0.71
60298	B	0	6	-0.69	0.36	0.52
60298	C	0	4	-0.41	0.75	0.99
60298	D	0	5	-1.2	0.6	0.36
60299	A	1	41	0.83	0.21	0.8
60299	B	0	3	0.58	0.39	1.85
60299	C	0	5	-0.79	0.09	0.42
60299	D	0	5	-1.58	0.55	0.29
60300	A	1	31	1.47	0.36	0.86
60300	B	0	11	0.03	0.22	0.92
60300	C	0	5	-0.53	0.5	0.71
60300	D	0	3	-2.01	0.77	0.15
60301	A	1	33	1.95	0.39	0.94
60301	B	0	12	0.02	0.31	0.86
60301	C	0	6	0.03	0.53	0.97
60301	D	0	6	-0.65	0.3	0.34

60302	A	1	42	1.61	0.28	0.87
60302	B	0	5	-0.44	0.28	0.44
60302	C	0	8	-0.11	0.29	0.68
60302	D	0	1	-1.83	0	0.1
60303	A	1	34	1.75	0.37	0.91
60303	B	0	6	-0.01	0.44	0.92
60303	C	0	8	-0.18	0.41	0.93
60303	D	0	8	-0.26	0.25	0.52
60304	A	1	29	1.74	0.45	1.32
60304	B	0	12	0.02	0.18	0.73
60304	C	0	5	-0.11	0.38	0.72
60304	D	0	10	-0.02	0.26	0.9
60305	A	1	27	0.41	0.31	1.52
60305	B	0	9	-0.6	0.34	0.82
60305	C	0	13	0.69	0.23	2.22
60305	D	0	6	-0.42	0.38	0.77
60306	A	1	32	1.31	0.32	1.21
60306	B	0	9	0.51	0.31	1.3
60306	C	0	7	-0.09	0.35	0.7
60306	D	0	7	-0.13	0.19	0.55
60307	A	1	27	1.91	0.4	1.33
60307	B	0	8	0.11	0.23	0.54
60307	C	0	12	0.51	0.23	0.88
60307	D	0	9	0.29	0.31	0.81
60308	A	1	27	1.26	0.3	1.06
60308	B	0	4	0.51	0.59	1.55
60308	C	0	9	0.08	0.3	0.85
60308	D	0	19	0.25	0.35	1.09
60309	A	1	35	0.67	0.16	0.96
60309	B	0	9	-0.12	0.24	0.84
60309	C	0	5	0.57	0.47	2.02
60309	D	0	9	-0.64	0.32	0.65
60310	A	1	48	0.93	0.2	1.01
60310	B	0	1	-1.03	0	0.26
60310	C	0	1	0.82	0	1.68
60310	D	0	7	-0.23	0.29	0.73

60311	A	1	19	1.52	0.41	1.54
60311	B	0	11	-0.33	0.31	0.45
60311	C	0	11	0.45	0.25	0.91
60311	D	0	15	0.44	0.43	1.43
60312	A	1	23	1.88	0.32	0.83
60312	B	0	17	0.39	0.19	0.8
60312	C	0	7	0.44	0.28	0.76
60312	D	0	7	-0.38	0.29	0.34
60313	A	1	27	0.87	0.4	1.62
60313	B	0	9	1	0.33	2.81
60313	C	0	12	0.06	0.33	1.31
60313	D	0	8	-0.64	0.2	0.43
60314	A	1	16	1.61	0.5	1.48
60314	B	0	25	0.38	0.14	0.83
60314	C	0	8	0.45	0.51	1.7
60314	D	0	8	-0.69	0.33	0.33
60315	A	1	39	1.55	0.29	0.88
60315	B	0	10	0.38	0.2	0.93
60315	C	0	3	-0.63	0.62	0.42
60315	D	0	2	-1.19	0.24	0.17
60316	A	1	26	1.25	0.32	1.37
60316	B	0	12	0.66	0.34	1.5
60316	C	0	8	-0.51	1.01	1.03
60316	D	0	9	-0.12	0.28	0.57
60317	A	1	26	2	0.35	0.68
60317	B	0	17	0.42	0.27	1.25
60317	C	0	8	-0.47	0.25	0.36
60317	D	0	6	-1.18	0.37	0.21
60318	A	1	32	1.53	0.32	1.17
60318	B	0	8	-0.01	0.54	1.55
60318	C	0	8	-0.22	0.27	0.54
60318	D	0	9	0.24	0.34	1.08
60319	A	1	46	1.09	0.25	0.99
60319	B	0	2	0.67	0.14	1.47
60319	C	0	2	-0.2	0.68	0.75
60319	D	0	4	-0.79	0.28	0.38

60320	A	1	37	1.01	0.24	0.87
60320	B	0	1	-0.27	0	0.67
60320	C	0	8	-0.78	0.29	0.55
60320	D	0	8	-0.71	0.19	0.49
60321	A	1	33	1.95	0.38	1.34
60321	B	0	1	0.6	0	0.77
60321	C	0	6	-0.17	0.49	0.68
60321	D	0	15	0.5	0.18	0.86
60322	A	1	54	0.92	0.19	1.02
60322	B	0	0	0	0	0
60322	C	0	2	-0.8	0.06	0.39
60322	D	0	0	0	0	0
60323	A	1	19	1.58	0.54	1.52
60323	B	0	12	0.1	0.28	0.87
60323	C	0	10	-0.18	0.33	0.75
60323	D	0	14	0.38	0.3	1.1
60324	A	1	25	1.84	0.52	1.04
60324	B	0	6	-0.1	0.48	1.01
60324	C	0	10	-0.05	0.26	0.81
60324	D	0	15	-0.34	0.12	0.53
60325	A	1	27	1.81	0.36	0.91
60325	B	0	7	0.05	0.58	1.64
60325	C	0	14	0.3	0.25	0.86
60325	D	0	9	0.02	0.19	0.52
60326	A	1	36	1.59	0.33	1.13
60326	B	0	16	0.62	0.4	1.41
60326	C	0	1	0.94	0	1.23
60326	D	0	4	-0.06	0.54	0.72
60327	A	1	8	1.6	1.19	3.48
60327	B	0	30	0.9	0.33	1.96
60327	C	0	10	-0.53	0.28	0.27
60327	D	0	8	-0.16	0.42	0.48
60328	A	1	15	2.41	0.68	1.36
60328	B	0	10	0.35	0.41	1.08
60328	C	0	16	0.13	0.23	0.63
60328	D	0	20	0.32	0.28	0.89

60329	A	1	34	0.93	0.19	0.99
60329	B	0	13	0.09	0.27	1.08
60329	C	0	7	0.04	0.51	1.57
60329	D	0	4	-0.79	0.91	0.84
60330	A	1	24	1.68	0.44	0.71
60330	B	0	17	-0.18	0.17	0.72
60330	C	0	7	-0.29	0.38	0.75
60330	D	0	11	-0.53	0.21	0.49
60331	A	1	19	1.82	0.59	1.32
60331	B	0	8	0.13	0.35	0.92
60331	C	0	17	0.26	0.24	1.08
60331	D	0	10	-0.16	0.36	0.79
60332	A	1	21	2.15	0.53	1.48
60332	B	0	6	0.42	0.59	1.3
60332	C	0	20	0.67	0.31	1.63
60332	D	0	12	0.06	0.3	0.69
60333	A	1	43	1.02	0.26	0.99
60333	B	0	3	-0.67	0.43	0.56
60333	C	0	4	-0.16	0.36	0.93
60333	D	0	5	-0.87	0.35	0.48
60334	A	1	22	1.67	0.47	1.09
60334	B	0	7	0.1	0.48	1.28
60334	C	0	16	-0.18	0.23	0.73
60334	D	0	9	-0.05	0.41	1.04
60335	A	1	26	2.03	0.42	1
60335	B	0	11	-0.4	0.34	0.53
60335	C	0	14	-0.1	0.21	0.69
60335	D	0	10	-0.09	0.15	0.53
60336	A	1	33	1.77	0.3	0.85
60336	B	0	7	-0.43	0.22	0.38
60336	C	0	8	0.12	0.2	0.64
60336	D	0	7	-0.03	0.38	0.77
60337	A	1	29	1.79	0.38	0.87
60337	B	0	21	-0.12	0.27	0.98
60337	C	0	6	0.06	0.34	0.7
60337	D	0	2	0.86	0.43	1.32

60338	A	1	36	1.56	0.27	0.9
60338	B	0	6	0.47	0.44	1.26
60338	C	0	10	-0.3	0.26	0.5
60338	D	0	2	0.45	0.07	0.79
60339	A	1	20	1.85	0.43	0.91
60339	B	0	19	0.84	0.42	2.8
60339	C	0	12	-0.19	0.25	0.49
60339	D	0	2	-0.15	0.57	0.43
60340	A	1	47	1.45	0.26	0.96
60340	B	0	4	-0.2	0.33	0.62
60340	C	0	4	-0.57	0.23	0.39
60340	D	0	1	-0.13	0	0.56
60341	A	1	42	1.32	0.33	1
60341	B	0	4	-0.82	0.14	0.36
60341	C	0	7	-0.31	0.25	0.73
60341	D	0	1	-0.08	0	0.74
60342	A	1	32	0.86	0.22	1.05
60342	B	0	5	-0.1	0.34	0.88
60342	C	0	13	-0.15	0.16	0.76
60342	D	0	2	-1.79	1.27	0.25
60343	A	1	24	1.56	0.32	0.89
60343	B	0	10	-0.53	0.21	0.41
60343	C	0	17	-0.23	0.21	0.66
60343	D	0	5	0.45	0.9	2.63
60344	A	1	30	0.62	0.16	0.99
60344	B	0	13	-0.02	0.2	0.97
60344	C	0	9	-0.08	0.23	0.84
60344	D	0	0	0	0	0
60345	A	1	22	1.9	0.49	1.11
60345	B	0	11	0.2	0.37	1.03
60345	C	0	14	-0.04	0.19	0.62
60345	D	0	6	-0.22	0.43	0.6
60346	A	1	37	1.4	0.31	0.94
60346	B	0	9	-0.49	0.27	0.5
60346	C	0	6	0.64	0.73	2.58
60346	D	0	1	0.12	0	0.68

60347	A	1	26	1.08	0.34	2.03
60347	B	0	14	0.62	0.25	1.33
60347	C	0	14	0.22	0.28	0.98
60347	D	0	4	0.25	0.38	0.77
60348	A	1	22	1.11	0.31	2.31
60348	B	0	7	-0.22	0.46	0.74
60348	C	0	18	0.61	0.22	1.28
60348	D	0	8	-0.34	0.22	0.42
60349	A	1	24	1.91	0.43	1.06
60349	B	0	14	0.07	0.28	0.79
60349	C	0	5	0.37	0.63	1.25
60349	D	0	10	0.18	0.27	0.76
60350	A	1	30	0.9	0.3	1.33
60350	B	0	10	0.23	0.23	1.07
60350	C	0	7	0.29	0.29	1.17
60350	D	0	6	0.01	0.38	0.88
60351	A	1	26	1.54	0.45	1.1
60351	B	0	13	-0.18	0.3	0.94
60351	C	0	1	-1.47	0	0.15
60351	D	0	13	-0.23	0.4	1.14
60352	A	1	23	1.45	0.44	1.11
60352	B	0	5	-0.21	0.38	0.68
60352	C	0	7	0.11	0.5	1.22
60352	D	0	20	-0.05	0.23	1.25
60353	A	1	30	1.15	0.27	0.98
60353	B	0	4	-0.07	0.35	0.67
60353	C	0	9	0.6	0.91	4.26
60353	D	0	14	0.01	0.23	0.92
60354	A	1	50	0.58	0.19	0.86
60354	B	0	5	-0.98	0.55	0.59
60354	C	0	2	-1.2	0.02	0.33
60354	D	0	0	0	0	0
60355	A	1	32	1.03	0.22	0.95
60355	B	0	17	0.39	0.43	2.06
60355	C	0	4	-1.48	0.43	0.21
60355	D	0	1	-1.36	0	0.18

60356	A	1	48	0.55	0.16	0.78
60356	B	0	2	-1.84	0.57	0.22
60356	C	0	2	-1.94	1.37	0.36
60356	D	0	1	-0.02	0	1.15
60357	A	1	50	1.14	0.26	1
60357	B	0	5	0.51	0.67	2.74
60357	C	0	3	-1.13	0.76	0.43
60357	D	0	0	0	0	0
60358	A	1	51	0.7	0.24	0.83
60358	B	0	3	-1.41	0.59	0.44
60358	C	0	0	0	0	0
60358	D	0	2	-1.97	1.09	0.33
60359	A	1	29	0.84	0.23	1.33
60359	B	0	15	0.36	0.22	1.32
60359	C	0	6	-0.39	0.19	0.48
60359	D	0	8	0.08	0.23	0.82
60360	A	1	22	0.99	0.37	1.58
60360	B	0	15	0.56	0.2	1.22
60360	C	0	1	-0.7	0	0.27
60360	D	0	14	0.09	0.27	0.84
60361	A	1	23	1.34	0.34	1
60361	B	0	5	0.26	0.25	0.76
60361	C	0	14	0.48	0.28	1.39
60361	D	0	13	-0.09	0.31	1.01
60362	A	1	38	1.01	0.28	1.03
60362	B	0	9	0.15	0.42	1.75
60362	C	0	2	-0.62	0.09	0.4
60362	D	0	5	0.07	0.33	0.96
60363	A	1	48	0.76	0.2	0.96
60363	B	0	1	-0.29	0	0.66
60363	C	0	4	0.07	0.31	1.06
60363	D	0	2	-1.48	1.23	0.38
60364	A	1	45	0.92	0.29	0.84
60364	B	0	0	0	0	0
60364	C	0	4	-0.19	0.62	1.51
60364	D	0	4	-2.01	0.68	0.3

60365	A	1	42	0.64	0.2	0.88
60365	B	0	7	-0.27	0.48	1.75
60365	C	0	3	-0.28	0.51	0.96
60365	D	0	3	-1.55	1	0.4
60366	A	1	25	1.51	0.31	1.08
60366	B	0	9	-0.1	0.23	0.55
60366	C	0	9	-0.04	0.49	0.86
60366	D	0	12	0.09	0.4	1.01
60367	A	1	41	0.98	0.31	1.06
60367	B	0	4	-0.52	0.35	0.71
60367	C	0	10	-0.03	0.75	2.55
60367	D	0	0	0	0	0
60368	A	1	46	0.93	0.26	0.95
60368	B	0	1	1.35	0	3.56
60368	C	0	6	-0.32	0.42	1.17
60368	D	0	3	-1.25	0.42	0.32
60369	A	1	40	0.6	0.25	1.68
60369	B	0	10	-0.01	0.3	1.37
60369	C	0	3	-1.02	0.7	0.49
60369	D	0	2	-0.45	0.6	0.73
60370	A	1	13	2.01	0.5	0.86
60370	B	0	10	0.11	0.35	0.84
60370	C	0	29	0.37	0.18	0.89
60370	D	0	7	-1.04	1.02	0.42
60371	A	1	24	2.04	0.41	0.99
60371	B	0	18	0.37	0.48	2.18
60371	C	0	12	-0.03	0.33	0.81
60371	D	0	3	-0.5	0.42	0.32
60372	A	1	27	1.22	0.24	0.63
60372	B	0	4	-1.63	1.67	0.55
60372	C	0	21	-0.2	0.22	0.81
60372	D	0	3	-1.74	0.49	0.15
60373	A	1	31	1.02	0.25	1.08
60373	B	0	7	0.14	0.23	0.75
60373	C	0	10	0.26	0.32	1.12
60373	D	0	7	1.39	0.98	4.84

60374	A	1	39	1.79	0.38	0.97
60374	B	0	6	-0.38	0.33	0.76
60374	C	0	6	-0.65	0.27	0.5
60374	D	0	4	-3.83	1.79	0.2
60375	A	1	25	2.18	0.49	0.9
60375	B	0	9	0.63	0.36	1.73
60375	C	0	17	0.05	0.26	0.8
60375	D	0	5	-2.5	1.38	0.28
60376	A	1	26	1.94	0.41	0.69
60376	B	0	17	-0.51	0.35	0.69
60376	C	0	7	-0.34	0.33	0.66
60376	D	0	2	-6.57	0.05	0.02
60377	A	1	25	1.9	0.44	1.12
60377	B	0	13	0.79	0.42	1.11
60377	C	0	13	0.32	0.2	0.85
60377	D	0	5	-1.19	0.66	0.26
60378	A	1	48	1.64	0.31	0.8
60378	B	0	1	-0.73	0	0.41
60378	C	0	3	-0.49	0.19	0.54
60378	D	0	4	-2.7	1.62	0.55
60379	A	1	37	1.2	0.32	0.91
60379	B	0	10	-0.74	0.5	0.88
60379	C	0	3	-0.46	0.15	0.55
60379	D	0	5	-1.52	1.39	0.71
60380	A	1	48	0.64	0.21	1.04
60380	B	0	4	-0.26	0.59	1.12
60380	C	0	5	-0.11	0.3	0.89
60380	D	0	0	0	0	0
60381	A	1	15	2.12	0.67	1.29
60381	B	0	16	-0.13	0.26	0.7
60381	C	0	19	0.01	0.2	0.73
60381	D	0	3	0.3	0.37	0.8
60382	A	1	35	1.13	0.24	0.94
60382	B	0	7	-0.25	0.21	0.62
60382	C	0	7	-0.41	0.23	0.55
60382	D	0	6	0.26	1.28	3.92

60383	A	1	27	1.35	0.27	0.87
60383	B	0	18	0.19	0.18	0.91
60383	C	0	7	-0.52	0.37	0.53
60383	D	0	2	-1.22	0.1	0.17
60384	A	1	35	1.33	0.32	0.82
60384	B	0	7	-0.54	0.2	0.52
60384	C	0	5	-0.16	0.47	0.97
60384	D	0	7	-1.15	0.47	0.41
60385	A	1	26	0.85	0.21	0.79
60385	B	0	14	-0.52	0.26	0.72
60385	C	0	8	-0.23	0.31	0.97
60385	D	0	6	-1.12	0.53	0.47
60386	A	1	40	0.9	0.35	1.67
60386	B	0	4	-0.73	0.19	0.47
60386	C	0	10	0.5	0.39	2.6
60386	D	0	1	-1	0	0.34
60387	A	1	45	0.93	0.19	0.8
60387	B	0	3	-0.63	0.61	0.6
60387	C	0	2	-0.01	0.57	0.98
60387	D	0	5	-1.34	0.63	0.41
60388	A	1	26	1.47	0.45	1.27
60388	B	0	3	0.03	0.16	0.69
60388	C	0	9	0.18	0.28	1.06
60388	D	0	17	-0.31	0.26	0.73
60389	A	1	17	1.54	0.56	1.08
60389	B	0	4	-0.25	0.36	0.61
60389	C	0	21	-0.02	0.25	1.07
60389	D	0	14	-0.35	0.36	0.73
60390	A	1	52	1.21	0.26	0.77
60390	B	0	3	-0.43	0.27	0.63
60390	C	0	3	-0.62	0.33	0.54
60390	D	0	2	-3.19	0.17	0.04
60391	A	1	35	1	0.23	0.74
60391	B	0	7	-0.43	0.27	0.68
60391	C	0	6	-0.68	0.19	0.45
60391	D	0	5	-0.59	0.78	1.2

60392	A	1	53	0.73	0.2	0.82
60392	B	0	3	-1.03	0.5	0.49
60392	C	0	2	-0.67	0.04	0.55
60392	D	0	1	-3.36	0	0.05
60393	A	1	47	1.34	0.31	0.9
60393	B	0	1	-1.19	0	0.29
60393	C	0	4	-0.3	0.37	0.91
60393	D	0	2	-2.74	0.62	0.08
60394	A	1	41	1.6	0.27	0.86
60394	B	0	1	-3.36	0	0.02
60394	C	0	10	0.17	0.27	0.85
60394	D	0	4	-0.89	0.27	0.25
60395	A	1	29	1.72	0.36	0.89
60395	B	0	15	-0.1	0.31	0.74
60395	C	0	11	0.11	0.23	0.86
60395	D	0	3	-0.91	0.26	0.23
60396	A	1	44	0.63	0.16	0.86
60396	B	0	3	-1.14	0.23	0.33
60396	C	0	4	-0.18	0.87	2.92
60396	D	0	5	-0.78	0.35	0.58
60397	A	1	44	1.05	0.21	0.86
60397	B	0	3	-0.5	0.1	0.47
60397	C	0	5	-0.25	0.18	0.63
60397	D	0	3	-1.37	0.38	0.22
60398	A	1	45	0.98	0.16	0.92
60398	B	0	3	-0.31	0.43	0.69
60398	C	0	5	-0.38	0.3	0.67
60398	D	0	2	-2.43	0.31	0.07
60399	A	1	47	0.87	0.2	0.93
60399	B	0	3	0.2	0.73	1.43
60399	C	0	2	-0.24	0.19	0.66
60399	D	0	2	-1.49	0.63	0.22
60400	A	1	46	0.83	0.22	0.88
60400	B	0	2	-0.27	0.55	0.95
60400	C	0	3	-0.2	0.13	0.9
60400	D	0	3	-2.69	0.84	0.16

60410	A	1	49	1.6	0.28	0.72
60410	B	0	1	-0.48	0	0.43
60410	C	0	0	0	0	0
60410	D	0	3	-1.84	0.5	0.13
60411	A	1	50	0.81	0.2	0.95
60411	B	0	3	-0.41	0.48	0.65
60411	C	0	1	-0.89	0	0.33
60411	D	0	1	0.13	0	0.91
60412	A	1	47	0.79	0.24	0.94
60412	B	0	4	-0.76	0.33	0.5
60412	C	0	2	0.01	0.25	0.94
60412	D	0	3	-0.29	0.56	0.93
60413	A	1	40	1.09	0.24	0.91
60413	B	0	3	-1.41	0.41	0.3
60413	C	0	4	-1.16	0.43	0.41
60413	D	0	5	-1.37	0.55	0.42
60414	A	1	47	1.12	0.25	0.88
60414	B	0	0	0	0	0
60414	C	0	4	-0.79	0.73	0.63
60414	D	0	2	-0.1	0.59	0.83
60415	A	1	42	1.4	0.25	0.77
60415	B	0	3	-1.15	0.25	0.22
60415	C	0	2	-0.67	1.02	0.52
60415	D	0	7	0.54	1.01	3.2
60416	A	1	45	0.64	0.16	1.19
60416	B	0	5	-0.75	0.24	0.51
60416	C	0	1	0.34	0	1.34
60416	D	0	4	-1.25	0.44	0.36
60417	A	1	35	1.57	0.24	0.71
60417	B	0	7	-0.36	0.18	0.42
60417	C	0	8	-0.54	0.45	0.5
60417	D	0	2	0.26	0.92	1.03
60418	A	1	39	1.17	0.2	0.73
60418	B	0	7	-0.31	0.27	0.64
60418	C	0	5	-0.2	0.28	0.67
60418	D	0	6	-1	0.34	0.33

60410	A	1	49	1.6	0.28	0.72
60410	B	0	1	-0.48	0	0.43
60410	C	0	0	0	0	0
60410	D	0	3	-1.84	0.5	0.13
60411	A	1	50	0.81	0.2	0.95
60411	B	0	3	-0.41	0.48	0.65
60411	C	0	1	-0.89	0	0.33
60411	D	0	1	0.13	0	0.91
60412	A	1	47	0.79	0.24	0.94
60412	B	0	4	-0.76	0.33	0.5
60412	C	0	2	0.01	0.25	0.94
60412	D	0	3	-0.29	0.56	0.93
60413	A	1	40	1.09	0.24	0.91
60413	B	0	3	-1.41	0.41	0.3
60413	C	0	4	-1.16	0.43	0.41
60413	D	0	5	-1.37	0.55	0.42
60414	A	1	47	1.12	0.25	0.88
60414	B	0	0	0	0	0
60414	C	0	4	-0.79	0.73	0.63
60414	D	0	2	-0.1	0.59	0.83
60415	A	1	42	1.4	0.25	0.77
60415	B	0	3	-1.15	0.25	0.22
60415	C	0	2	-0.67	1.02	0.52
60415	D	0	7	0.54	1.01	3.2
60416	A	1	45	0.64	0.16	1.19
60416	B	0	5	-0.75	0.24	0.51
60416	C	0	1	0.34	0	1.34
60416	D	0	4	-1.25	0.44	0.36
60417	A	1	35	1.57	0.24	0.71
60417	B	0	7	-0.36	0.18	0.42
60417	C	0	8	-0.54	0.45	0.5
60417	D	0	2	0.26	0.92	1.03
60418	A	1	39	1.17	0.2	0.73
60418	B	0	7	-0.31	0.27	0.64
60418	C	0	5	-0.2	0.28	0.67
60418	D	0	6	-1	0.34	0.33

60419	A	1	44	1.25	0.29	0.86
60419	B	0	2	-0.72	0.29	0.41
60419	C	0	3	0.51	0.22	1.42
60419	D	0	6	-1.21	0.68	0.61
60420	A	1	37	1.38	0.34	0.87
60420	B	0	7	0.39	0.5	2.1
60420	C	0	6	-0.51	0.22	0.51
60420	D	0	6	-1.74	1.1	0.57
60421	A	1	34	1.11	0.3	1.46
60421	B	0	5	0.49	0.56	1.89
60421	C	0	5	1.67	0.32	3.45
60421	D	0	10	-0.55	0.42	0.56
60422	A	1	41	1.23	0.31	0.92
60422	B	0	6	-0.53	0.26	0.65
60422	C	0	2	-0.69	1.17	0.83
60422	D	0	5	-1.14	0.74	0.88
60423	A	1	46	0.7	0.2	1.01
60423	B	0	1	-0.01	0	1
60423	C	0	2	-0.07	0.09	0.94
60423	D	0	4	-1.4	0.5	0.36
60424	A	1	46	1.1	0.22	0.95
60424	B	0	1	-0.42	0	0.48
60424	C	0	4	-0.79	0.41	0.41
60424	D	0	3	-0.17	0.8	1.17
60425	A	1	40	0.73	0.22	0.88
60425	B	0	6	-0.58	0.54	1.04
60425	C	0	4	0.48	0.67	3.02
60425	D	0	5	-2.54	1.13	0.24
60426	A	1	38	1.07	0.16	0.71
60426	B	0	6	-0.08	0.34	0.93
60426	C	0	6	-0.29	0.56	1.34
60426	D	0	4	-2.99	1.24	0.11
60427	A	1	50	0.84	0.23	1.05
60427	B	0	2	-0.67	0.04	0.55
60427	C	0	2	-1.3	0.4	0.32
60427	D	0	0	0	0	0

60428	A	1	48	0.78	0.21	0.86
60428	B	0	2	-2.35	0.49	0.13
60428	C	0	3	-0.74	0.48	0.69
60428	D	0	2	-1.63	0.45	0.26
60429	A	1	44	0.87	0.25	0.98
60429	B	0	4	-1.07	0.51	0.45
60429	C	0	4	-0.37	0.9	2.17
60429	D	0	1	-0.25	0	0.76
60430	A	1	43	1.13	0.18	0.65
60430	B	0	10	-1.11	0.31	0.38
60430	C	0	1	-0.03	0	0.74
60430	D	0	0	0	0	0
60431	A	1	12	1.14	0.3	1.02
60431	B	0	9	0.4	0.28	1.04
60431	C	0	24	0.18	0.28	1.33
60431	D	0	11	-0.56	0.67	0.67
60432	A	1	20	1.18	0.38	1.09
60432	B	0	6	-0.58	0.41	0.57
60432	C	0	12	0.25	0.27	1.33
60432	D	0	15	-0.5	0.26	0.65
60433	A	1	39	1.12	0.25	0.93
60433	B	0	5	-0.11	0.35	0.8
60433	C	0	3	0.16	0.44	1.01
60433	D	0	12	-0.46	0.31	0.7
60434	A	1	20	0.8	0.21	1.12
60434	B	0	7	1.13	1.03	4.95
60434	C	0	11	0.48	0.28	1.46
60434	D	0	19	-0.26	0.43	0.93
60435	A	1	24	1.06	0.33	1.09
60435	B	0	8	-0.76	0.83	0.99
60435	C	0	12	0.07	0.17	0.82
60435	D	0	13	0.11	0.37	1.49
60436	A	1	25	2.29	0.48	0.85
60436	B	0	8	-0.3	0.22	0.43
60436	C	0	7	0.26	0.44	1.07
60436	D	0	16	-0.51	0.53	1.03

60437	A	1	45	0.72	0.22	0.99
60437	B	0	8	-0.77	0.32	0.67
60437	C	0	0	0	0	0
60437	D	0	3	-0.6	0.56	0.78
60438	A	1	36	1.46	0.2	0.78
60438	B	0	7	0.01	0.24	0.55
60438	C	0	12	0.28	0.43	1.37
60438	D	0	3	-0.54	0.15	0.28
60439	A	1	32	0.79	0.15	0.88
60439	B	0	5	-0.09	0.47	1.07
60439	C	0	8	-0.26	0.31	0.88
60439	D	0	11	-0.65	0.38	0.78
60440	A	1	40	0.9	0.28	1.17
60440	B	0	3	-0.75	0.45	0.56
60440	C	0	4	-0.87	0.15	0.42
60440	D	0	11	-0.71	0.62	1.02
60441	A	1	31	1.06	0.24	0.75
60441	B	0	15	-0.43	0.28	0.87
60441	C	0	6	-0.88	0.36	0.49
60441	D	0	6	-1.22	1.17	1.45
60442	A	1	41	0.83	0.23	0.96
60442	B	0	3	-1.03	0.51	0.44
60442	C	0	4	-0.29	0.45	0.97
60442	D	0	6	-0.87	0.48	0.66
60443	A	1	39	0.54	0.16	0.96
60443	B	0	3	-1.02	0.33	0.4
60443	C	0	7	-0.04	0.65	2.83
60443	D	0	3	-0.55	1.13	1.41
60444	A	1	44	1.04	0.2	0.81
60444	B	0	6	-0.11	0.53	1.82
60444	C	0	3	-1.23	0.3	0.27
60444	D	0	2	-1.79	0.35	0.15
60445	A	1	29	1.46	0.38	1.01
60445	B	0	11	0.52	0.31	1.72
60445	C	0	6	-0.78	0.39	0.46
60445	D	0	10	-0.93	0.22	0.35

60446	A	1	42	1.1	0.22	0.82
60446	B	0	2	-1.12	0.52	0.38
60446	C	0	4	-0.98	0.26	0.45
60446	D	0	4	-1.82	0.29	0.19
60447	A	1	41	0.82	0.22	0.94
60447	B	0	3	-1.06	0.38	0.4
60447	C	0	3	-0.69	0.22	0.52
60447	D	0	8	-0.77	0.36	0.63
60448	A	1	45	0.91	0.19	0.75
60448	B	0	3	-0.55	0.48	0.68
60448	C	0	5	-0.99	0.34	0.44
60448	D	0	3	-1.63	0.44	0.22
60449	A	1	1689	1.06	0.04	0.99
60449	B	0	218	-0.6	0.06	0.62
60449	C	0	377	0.1	0.06	1.73
60449	D	0	146	-1.14	0.14	0.47
60450	A	1	34	0.86	0.26	1.15
60450	B	0	10	0.25	0.31	1.59
60450	C	0	5	0.32	0.58	1.79
60450	D	0	5	-1.25	0.27	0.25
60451	A	1	30	0.97	0.21	1.06
60451	B	0	8	-0.22	0.41	1.01
60451	C	0	9	-0.2	0.3	0.79
60451	D	0	10	-0.38	0.37	0.76
60452	A	1	26	1.46	0.33	1
60452	B	0	8	0.16	0.41	0.97
60452	C	0	12	0.36	0.26	1.05
60452	D	0	8	-0.32	0.24	0.46
60453	A	1	42	1.36	0.33	0.9
60453	B	0	2	-1.66	0.71	0.23
60453	C	0	3	-0.97	0.05	0.37
60453	D	0	1	-0.9	0	0.39
60454	A	1	17	1.19	0.38	1.15
60454	B	0	8	-0.06	0.25	0.73
60454	C	0	14	0.34	0.25	1.38
60454	D	0	14	-0.33	0.19	0.57

60455	A	1	32	1.37	0.26	0.87
60455	B	0	11	0.09	0.37	1.25
60455	C	0	3	-0.42	0.53	0.49
60455	D	0	8	-0.89	0.78	0.75
60456	A	1	25	0.47	0.51	6.33
60456	B	0	16	0.06	0.26	1.14
60456	C	0	8	0.07	0.33	0.96
60456	D	0	4	0.15	0.25	0.84
60457	A	1	20	0.76	0.25	1.52
60457	B	0	16	0.19	0.5	2.34
60457	C	0	9	-0.1	0.23	0.66
60457	D	0	8	-0.75	0.87	0.71
60458	A	1	32	1.17	0.35	0.82
60458	B	0	6	-0.93	0.26	0.52
60458	C	0	8	-1.01	0.08	0.41
60458	D	0	8	-1.13	0.44	0.65
60459	A	1	29	0.49	0.21	1.17
60459	B	0	5	-0.5	0.5	0.87
60459	C	0	5	-0.03	0.3	1.05
60459	D	0	15	-0.27	0.2	0.91
60460	A	1	12	1.02	0.3	0.88
60460	B	0	20	-0.09	0.19	0.86
60460	C	0	9	-0.36	0.85	1.29
60460	D	0	9	-0.1	0.38	1.22
60461	A	1	20	2.04	0.52	0.8
60461	B	0	15	-0.04	0.27	0.91
60461	C	0	6	-0.35	0.32	0.52
60461	D	0	14	-0.87	0.62	1.08
60462	A	1	34	1.31	0.38	0.95
60462	B	0	4	-0.17	0.63	1.12
60462	C	0	13	-0.72	0.41	0.8
60462	D	0	2	0.18	1.64	2.62
60463	A	1	32	1.55	0.38	1.2
60463	B	0	6	0.02	0.34	0.84
60463	C	0	11	-0.1	0.29	0.87
60463	D	0	5	-0.34	0.79	1.47

60464	A	1	21	1.84	0.58	1.27
60464	B	0	20	-0.31	0.18	0.67
60464	C	0	7	0.04	0.35	0.89
60464	D	0	8	-0.1	0.53	1.11
60465	A	1	24	1.32	0.47	1.21
60465	B	0	21	-0.38	0.33	0.93
60465	C	0	6	-0.89	0.44	0.45
60465	D	0	8	0.92	0.91	3.98
60466	A	1	20	1.89	0.38	0.78
60466	B	0	17	0.65	0.46	1.73
60466	C	0	6	0.18	0.57	1.04
60466	D	0	13	-0.01	0.2	0.53
60467	A	1	16	1.48	0.4	0.96
60467	B	0	16	0.51	0.26	1.14
60467	C	0	12	0.87	0.28	1.48
60467	D	0	14	0.09	0.21	0.59
60468	A	1	14	0.9	0.15	1.29
60468	B	0	14	0.79	0.34	1.64
60468	C	0	16	1.36	0.57	2.26
60468	D	0	14	0.33	0.25	0.78
60469	A	1	36	0.77	0.22	1.05
60469	B	0	5	-0.5	0.42	0.66
60469	C	0	9	0.19	0.24	1.18
60469	D	0	4	-0.71	0.16	0.41
60470	A	1	18	1.57	0.25	0.8
60470	B	0	10	-0.53	0.64	0.62
60470	C	0	10	0.26	0.47	1.45
60470	D	0	16	0.45	0.2	0.85
60471	A	1	31	1.22	0.24	0.69
60471	B	0	11	-0.11	0.34	1.04
60471	C	0	5	-0.53	0.55	0.57
60471	D	0	8	-1.15	0.83	0.84
60472	A	1	41	0.81	0.16	0.86
60472	B	0	3	-1.26	0.5	0.32
60472	C	0	5	-0.23	0.48	1.06
60472	D	0	3	-0.9	0.76	0.55

60473	A	1	33	0.7	0.25	1.18
60473	B	0	7	-0.28	0.29	0.76
60473	C	0	8	0.2	0.28	1.23
60473	D	0	5	-0.18	0.62	1.22
60474	A	1	27	1.62	0.38	0.8
60474	B	0	4	-0.17	0.42	0.67
60474	C	0	15	0	0.25	0.86
60474	D	0	6	-0.38	0.37	0.58
60475	A	1	16	1.09	0.3	1.62
60475	B	0	18	0.24	0.25	0.99
60475	C	0	9	0.81	0.41	1.82
60475	D	0	13	-0.15	0.3	0.62
60476	A	1	11	2.06	0.85	3.13
60476	B	0	12	0.89	0.38	1.61
60476	C	0	10	0.61	0.39	0.99
60476	D	0	20	0.43	0.21	0.73
60477	A	1	16	1.52	0.29	1.09
60477	B	0	12	1.05	0.62	2.15
60477	C	0	12	0.33	0.25	0.71
60477	D	0	17	0.32	0.25	0.74
60478	A	1	19	1.1	0.38	1.1
60478	B	0	13	0.18	0.35	1.44
60478	C	0	14	0.25	0.23	1.12
60478	D	0	10	-1.14	0.68	0.45
60479	A	1	8	0.85	0.4	1.58
60479	B	0	4	-0.05	0.15	0.47
60479	C	0	15	-0.04	0.56	1.29
60479	D	0	12	0.49	0.31	1.23
60480	A	1	30	0.95	0.34	0.9
60480	B	0	7	-0.03	0.37	1.36
60480	C	0	5	-0.89	0.5	0.55
60480	D	0	10	-0.49	0.26	0.74
60481	A	1	28	1.72	0.38	0.77
60481	B	0	20	-0.02	0.17	0.72
60481	C	0	0	0	0	0
60481	D	0	5	-0.4	0.46	0.57

60482	A	1	25	1.1	0.23	0.94
60482	B	0	4	-0.14	0.26	0.73
60482	C	0	13	-0.34	0.21	0.67
60482	D	0	7	-1.86	0.93	0.33
60483	A	1	23	0.74	0.19	1.14
60483	B	0	8	0.3	0.3	1.15
60483	C	0	20	0.3	0.25	1.63
60483	D	0	6	-0.83	0.27	0.33
60484	A	1	32	1.29	0.24	0.81
60484	B	0	4	-0.6	0.61	0.48
60484	C	0	5	-0.24	0.26	0.56
60484	D	0	11	-0.18	0.27	0.71
60485	A	1	10	1.05	0.42	1.57
60485	B	0	22	0.64	0.43	1.4
60485	C	0	12	-0.12	0.27	0.55
60485	D	0	8	0.23	0.61	1.53
60486	A	1	10	1.84	0.34	0.71
60486	B	0	21	0.02	0.25	0.78
60486	C	0	12	0.22	0.36	0.97
60486	D	0	7	-0.04	0.42	0.69
60487	A	1	26	0.86	0.21	1.23
60487	B	0	6	0.95	0.57	2.76
60487	C	0	11	0.15	0.76	3.26
60487	D	0	8	0.48	0.43	1.72
60488	A	1	33	1.42	0.3	1.01
60488	B	0	21	-0.14	0.2	0.75
60488	C	0	1	0.31	0	0.79
60488	D	0	2	0.49	1.49	2.14
60489	A	1	28	1.21	0.3	1.15
60489	B	0	17	0.22	0.2	0.97
60489	C	0	4	-0.26	0.25	0.5
60489	D	0	4	-0.27	0.34	0.53
60490	A	1	21	1.83	0.51	1.44
60490	B	0	20	0.47	0.21	1.09
60490	C	0	10	0.16	0.3	0.67
60490	D	0	4	0.11	0.49	0.68

60491	A	1	24	1.09	0.35	1.33
60491	B	0	6	1.1	0.65	3.2
60491	C	0	16	-0.02	0.21	0.71
60491	D	0	6	0.29	0.17	0.8
60492	A	1	26	1.04	0.33	1.86
60492	B	0	8	0.68	0.36	1.59
60492	C	0	9	0.7	0.21	1.21
60492	D	0	9	-0.55	0.62	0.74
60493	A	1	15	1.2	0.49	1.58
60493	B	0	20	0.93	0.31	1.34
60493	C	0	10	0.15	0.35	0.74
60493	D	0	10	0.22	0.35	0.94
60494	A	1	23	0.94	0.21	1.06
60494	B	0	17	0.32	0.17	1.01
60494	C	0	6	-0.22	0.27	0.56
60494	D	0	6	-0.23	0.46	0.71
60495	A	1	28	2.1	0.38	0.6
60495	B	0	11	-0.35	0.19	0.45
60495	C	0	8	0.13	0.26	0.8
60495	D	0	7	-0.99	0.53	0.42
60496	A	1	23	1.39	0.41	1.36
60496	B	0	15	0.21	0.34	1.42
60496	C	0	11	-0.21	0.29	0.73
60496	D	0	2	-0.43	0.13	0.37
60497	A	1	42	0.6	0.15	0.71
60497	B	0	3	-0.39	0.81	1.45
60497	C	0	0	0	0	0
60497	D	0	7	-1.91	0.49	0.34
60498	A	1	29	1.46	0.32	0.9
60498	B	0	9	-0.31	0.46	0.85
60498	C	0	9	0.44	0.32	1.22
60498	D	0	7	-0.63	0.55	0.51
60499	A	1	23	1.12	0.3	0.83
60499	B	0	12	0.26	0.41	1.51
60499	C	0	13	-0.27	0.32	0.69
60499	D	0	6	-1.97	1.12	0.43

60500	A	1	17	1.06	0.48	2.01
60500	B	0	23	0.15	0.15	0.98
60500	C	0	5	0.72	0.58	2.27
60500	D	0	8	-2.14	0.81	0.25
60501	A	1	13	2	0.52	1.34
60501	B	0	8	0.12	0.47	0.9
60501	C	0	12	-0.51	0.36	0.37
60501	D	0	20	0.62	0.25	1.03
60502	A	1	15	0.65	0.24	1.42
60502	B	0	6	-0.04	0.35	0.67
60502	C	0	10	0.96	0.41	2.58
60502	D	0	24	-0.11	0.29	0.97
60503	A	1	30	0.5	0.16	0.81
60503	B	0	5	0.49	0.34	2.25
60503	C	0	4	0	0.25	1.23
60503	D	0	15	-2.35	0.63	0.5
60504	A	1	43	0.97	0.2	0.69
60504	B	0	7	-0.82	0.14	0.41
60504	C	0	2	-1.21	0.08	0.27
60504	D	0	2	-2.01	0.83	0.16
60505	A	1	41	0.99	0.23	0.88
60505	B	0	5	-0.7	0.36	0.68
60505	C	0	3	-2.09	0.76	0.19
60505	D	0	4	-1.22	0.65	0.44
60506	A	1	37	0.83	0.23	1.41
60506	B	0	4	-0.28	0.44	0.95
60506	C	0	10	-0.9	0.21	0.45
60506	D	0	1	-3.07	0	0.05
60507	A	1	45	0.77	0.24	1.04
60507	B	0	5	1.17	0.45	4.48
60507	C	0	4	-0.71	0.25	0.53
60507	D	0	3	-2.88	0.45	0.08
60508	A	1	45	0.45	0.15	0.75
60508	B	0	1	-1.22	0	0.38
60508	C	0	4	-0.79	0.19	0.62
60508	D	0	4	-2.05	1.01	0.86

60509	A	1	29	1.57	0.31	0.65
60509	B	0	14	-0.65	0.37	0.57
60509	C	0	3	-2.32	2.17	0.41
60509	D	0	9	-1.21	0.75	0.5
60510	A	1	32	1.49	0.35	1.18
60510	B	0	11	0.39	0.17	0.92
60510	C	0	5	-0.61	0.33	0.36
60510	D	0	6	0.23	0.66	1.16
60511	A	1	25	1.45	0.42	1.91
60511	B	0	13	0.58	0.46	1.04
60511	C	0	13	0.79	0.35	1.6
60511	D	0	5	-0.3	0.54	0.54
60512	A	1	27	1.16	0.27	1.14
60512	B	0	11	0.06	0.22	0.67
60512	C	0	11	0.31	0.22	0.85
60512	D	0	6	1.18	0.61	3.07
60513	A	1	44	1.04	0.23	0.9
60513	B	0	0	0	0	0
60513	C	0	9	-0.4	0.52	1.71
60513	D	0	0	0	0	0
60514	A	1	51	1.45	0.33	0.91
60514	B	0	5	-0.22	0.63	1.57
60514	C	0	4	-0.63	1.12	1.65
60514	D	0	1	-1.17	0	0.28
60515	A	1	47	1.65	0.3	0.92
60515	B	0	4	0	0.39	0.71
60515	C	0	3	0.47	0.76	1.48
60515	D	0	3	-1.48	1.02	0.33
60516	A	1	34	1.66	0.39	1.3
60516	B	0	6	0.5	0.17	0.9
60516	C	0	7	0.02	0.5	0.75
60516	D	0	10	0.25	0.3	0.9
60517	A	1	48	1.43	0.31	1.06
60517	B	0	5	-0.6	0.31	0.54
60517	C	0	1	-0.16	0	0.67
60517	D	0	0	0	0	0

60518	A	1	44	2.1	0.35	0.88
60518	B	0	3	-0.85	0.3	0.25
60518	C	0	7	-0.19	0.25	0.54
60518	D	0	2	-0.92	1.48	0.5
60519	A	1	37	1.36	0.27	1.07
60519	B	0	14	0.36	0.51	1.62
60519	C	0	7	0.07	0.44	1.04
60519	D	0	2	-0.61	0.01	0.3
60520	A	1	28	1.35	0.41	1.62
60520	B	0	7	-0.17	0.38	0.63
60520	C	0	17	0.5	0.51	2.01
60520	D	0	6	0.71	0.14	1.11
60521	A	1	22	1.25	0.35	0.96
60521	B	0	9	-0.37	0.2	0.53
60521	C	0	23	-0.26	0.23	0.82
60521	D	0	2	0.94	0.33	1.79
60522	A	1	30	1.62	0.42	0.8
60522	B	0	5	-0.81	0.31	0.33
60522	C	0	16	-0.12	0.27	0.93
60522	D	0	2	-0.26	0.62	0.57
60523	A	1	31	1.62	0.4	0.86
60523	B	0	13	-0.3	0.26	0.8
60523	C	0	9	-0.51	0.14	0.48
60523	D	0	3	-2.42	2.28	0.54
60524	A	1	35	1.6	0.35	0.93
60524	B	0	11	0.03	0.23	0.75
60524	C	0	8	-0.09	0.31	0.69
60524	D	0	1	-2.08	0	0.07
60525	A	1	27	1.71	0.29	0.86
60525	B	0	3	-0.31	0.32	0.34
60525	C	0	22	0.4	0.22	1.01
60525	D	0	1	-3.23	0	0.02
60526	A	1	12	1.85	0.46	0.68
60526	B	0	16	0.28	0.35	1.19
60526	C	0	24	-0.1	0.22	0.74
60526	D	0	4	-0.55	0.53	0.38

60527	A	1	27	1.53	0.4	1.34
60527	B	0	11	0.33	0.35	1.05
60527	C	0	18	0.87	0.4	2.08
60527	D	0	1	-1.63	0	0.09
60528	A	1	26	1.4	0.27	0.72
60528	B	0	6	-0.66	0.37	0.47
60528	C	0	9	-0.08	0.37	1.04
60528	D	0	10	-0.48	0.24	0.5
60529	A	1	39	0.79	0.25	0.98
60529	B	0	3	0.21	0.57	1.64
60529	C	0	7	0.01	0.6	2.06
60529	D	0	4	-1.43	0.95	0.8
60530	A	1	34	1.22	0.29	1.13
60530	B	0	10	0.07	0.23	0.79
60530	C	0	9	0.44	0.42	1.64
60530	D	0	1	-3.2	0	0.03
60531	A	1	32	1.13	0.29	1.32
60531	B	0	10	0.44	0.37	1.44
60531	C	0	11	0.09	0.32	1.06
60531	D	0	2	-1.82	1.4	0.21
60532	A	1	41	1.14	0.25	0.85
60532	B	0	2	-0.57	1.38	1
60532	C	0	6	-1.19	0.17	0.27
60532	D	0	4	0.04	0.51	1.23
60533	A	1	30	1.57	0.34	0.97
60533	B	0	11	-0.06	0.22	0.68
60533	C	0	8	-0.1	0.31	0.7
60533	D	0	6	-0.79	1.2	1.03
60534	A	1	40	1.14	0.25	0.9
60534	B	0	7	-0.95	0.29	0.38
60534	C	0	2	1.66	1.05	5.65
60534	D	0	6	-0.84	0.29	0.41
60535	A	1	32	1.33	0.24	0.83
60535	B	0	10	-0.58	0.37	0.65
60535	C	0	7	0.25	0.27	0.95
60535	D	0	4	-0.2	0.65	0.74

60536	A	1	33	1.19	0.3	0.94
60536	B	0	6	0.06	0.18	0.86
60536	C	0	9	-0.37	0.24	0.65
60536	D	0	7	-0.43	0.31	0.65
60537	A	1	30	1.1	0.27	0.88
60537	B	0	20	-0.04	0.26	1.31
60537	C	0	3	-0.51	0.75	0.65
60537	D	0	2	-1.28	0.42	0.21
60538	A	1	25	1.28	0.33	1.25
60538	B	0	7	-0.09	0.13	0.58
60538	C	0	6	-0.09	0.41	0.84
60538	D	0	13	0.1	0.23	0.9
60539	A	1	24	1.79	0.48	1.75
60539	B	0	3	-0.76	1.3	0.61
60539	C	0	16	0.38	0.3	1.41
60539	D	0	11	-0.45	0.65	0.7
60540	A	1	51	0.94	0.25	0.91
60540	B	0	3	-1.38	0.11	0.29
60540	C	0	2	-1.32	0.13	0.3
60540	D	0	0	0	0	0
60541	A	1	33	1.7	0.31	0.92
60541	B	0	12	0.16	0.2	0.75
60541	C	0	7	-0.19	0.31	0.53
60541	D	0	4	-0.18	0.15	0.44
60542	A	1	46	0.86	0.25	0.81
60542	B	0	3	-1.14	0.64	0.49
60542	C	0	6	-1.05	0.2	0.43
60542	D	0	1	-1.95	0	0.16
60543	A	1	50	0.71	0.27	1
60543	B	0	1	-1.36	0	0.4
60543	C	0	2	-0.66	0.2	0.83
60543	D	0	1	-6.95	0	0.04
60544	A	1	1637	1.11	0.04	1.04
60544	B	0	308	-0.38	0.05	0.71
60544	C	0	364	-0.11	0.05	1.02
60544	D	0	112	-1.15	0.17	0.53

60545	A	1	30	1.34	0.23	0.75
60545	B	0	5	-0.21	0.25	0.5
60545	C	0	14	0.09	0.39	1.36
60545	D	0	6	-0.13	0.38	0.63
60546	A	1	45	1.13	0.28	0.99
60546	B	0	7	-0.67	0.12	0.44
60546	C	0	3	-0.35	0.18	0.6
60546	D	0	0	0	0	0
60547	A	1	48	0.96	0.23	0.91
60547	B	0	5	-0.51	0.13	0.54
60547	C	0	3	-1.29	0.41	0.28
60547	D	0	0	0	0	0
60548	A	1	43	1	0.25	0.83
60548	B	0	3	-0.68	0.38	0.48
60548	C	0	5	-0.77	0.4	0.51
60548	D	0	0	0	0	0
60549	A	1	40	1.04	0.29	0.78
60549	B	0	4	-1.97	0.48	0.19
60549	C	0	10	-0.48	0.2	0.74
60549	D	0	0	0	0	0
60550	A	1	42	1.18	0.28	0.73
60550	B	0	6	-1.08	0.26	0.37
60550	C	0	3	-0.88	0.44	0.47
60550	D	0	2	-3.28	3.27	0.48
60551	A	1	16	1.14	0.51	1.68
60551	B	0	13	0.59	0.19	1.13
60551	C	0	7	0.74	0.33	1.5
60551	D	0	19	-0.37	0.42	0.75
60552	A	1	44	0.66	0.22	1.08
60552	B	0	3	-0.26	0.41	0.79
60552	C	0	7	0.03	0.45	1.64
60552	D	0	4	-0.33	0.15	0.65
60553	A	1	6	1.77	1.1	1.4
60553	B	0	11	0.46	0.4	1.03
60553	C	0	22	0.85	0.23	1.28
60553	D	0	13	0.25	0.31	0.62

60554	A	1	20	1.12	0.39	1.12
60554	B	0	5	-0.04	0.62	1.2
60554	C	0	17	-0.03	0.21	0.83
60554	D	0	13	0.43	0.26	1.5
60555	A	1	27	1.96	0.34	0.62
60555	B	0	17	-0.04	0.17	0.6
60555	C	0	6	-0.6	0.26	0.32
60555	D	0	2	0.2	0.49	0.69
60556	A	1	29	1.31	0.32	1.06
60556	B	0	18	0.28	0.19	1.08
60556	C	0	3	-0.43	0.35	0.42
60556	D	0	3	-0.58	1	0.66
60557	A	1	23	1.82	0.4	0.83
60557	B	0	15	0.69	0.31	1.87
60557	C	0	8	-0.36	0.3	0.45
60557	D	0	7	-0.75	0.39	0.33
60558	A	1	27	1.83	0.4	1.09
60558	B	0	3	-2.69	1.72	0.18
60558	C	0	20	-0.11	0.15	0.62
60558	D	0	3	0.4	0.37	0.97
60559	A	1	45	0.78	0.22	0.89
60559	B	0	7	-1.53	0.77	0.5
60559	C	0	1	-6.9	0	0.03
60559	D	0	2	-0.25	0.18	0.88
60560	A	1	37	0.89	0.3	0.89
60560	B	0	4	-1.81	1.46	0.68
60560	C	0	7	-0.35	0.2	0.77
60560	D	0	3	-0.3	0.49	0.87
60561	A	1	42	0.85	0.25	1.3
60561	B	0	7	-0.53	0.21	0.52
60561	C	0	6	-0.6	0.09	0.44
60561	D	0	0	0	0	0
60562	A	1	40	0.72	0.21	0.84
60562	B	0	5	-0.68	0.3	0.57
60562	C	0	8	-0.41	0.29	0.86
60562	D	0	2	-3.29	3.33	0.51

60572	A	1	37	0.86	0.18	1.04
60572	B	0	5	-0.36	0.66	0.9
60572	C	0	10	-0.38	0.27	0.73
60572	D	0	3	-0.12	0.22	0.7
60573	A	1	39	0.69	0.17	1.12
60573	B	0	5	-0.26	0.16	0.63
60573	C	0	10	-0.26	0.35	0.93
60573	D	0	2	0.22	0.76	1.27
60574	A	1	44	0.84	0.25	0.9
60574	B	0	3	-0.93	0.6	0.59
60574	C	0	10	-0.86	0.22	0.54
60574	D	0	0	0	0	0
60575	A	1	45	0.93	0.16	0.79
60575	B	0	3	-0.33	0.08	0.53
60575	C	0	5	-0.55	0.36	0.56
60575	D	0	4	-0.67	0.61	0.61
60576	A	1	30	2.3	0.5	1.29
60576	B	0	1	-0.85	0	0.23
60576	C	0	19	0.18	0.19	0.9
60576	D	0	7	-1.3	0.96	0.64
60577	A	1	46	0.73	0.25	0.83
60577	B	0	3	0.43	0.56	2.51
60577	C	0	4	-0.53	0.65	1.52
60577	D	0	3	-5.14	1.37	0.06
60578	A	1	35	1.23	0.36	1.08
60578	B	0	11	0.22	0.55	1.49
60578	C	0	4	-1.02	0.25	0.32
60578	D	0	7	-0.41	0.18	0.6
60579	A	1	20	2.61	0.67	1.83
60579	B	0	15	0.8	0.23	1.41
60579	C	0	15	-0.54	0.2	0.33
60579	D	0	7	-0.17	0.29	0.46
60580	A	1	15	0.58	0.35	2.46
60580	B	0	11	0.75	0.38	1.98
60580	C	0	13	0.26	0.36	1.49
60580	D	0	18	-0.14	0.35	0.78

60581	A	1	37	0.79	0.15	0.85
60581	B	0	6	0.33	0.36	1.46
60581	C	0	8	-0.57	0.2	0.5
60581	D	0	2	-1.13	0.33	0.26
60582	A	1	27	1.51	0.35	0.92
60582	B	0	3	-0.34	0.32	0.43
60582	C	0	19	0.34	0.16	0.96
60582	D	0	7	-1.3	1	0.68
60583	A	1	14	1.19	0.21	0.71
60583	B	0	19	0.54	0.29	1.77
60583	C	0	10	-0.93	0.21	0.27
60583	D	0	14	-0.72	0.69	0.83
60584	A	1	10	3.22	0.88	0.67
60584	B	0	9	0.6	0.41	1.28
60584	C	0	12	0.09	0.35	0.7
60584	D	0	27	-0.16	0.3	0.61
60585	A	1	14	1.7	0.53	1.35
60585	B	0	6	-0.87	1.2	0.72
60585	C	0	33	0.44	0.2	1.01
60585	D	0	8	0.69	0.42	1.25
60586	A	1	27	0.82	0.32	1.57
60586	B	0	11	0.02	0.72	1.97
60586	C	0	8	0.55	0.4	1.79
60586	D	0	12	0.09	0.26	0.92
60587	A	1	50	0.63	0.18	0.78
60587	B	0	2	-0.92	0.24	0.45
60587	C	0	4	-1.55	0.2	0.25
60587	D	0	1	-1.64	0	0.21
60588	A	1	43	0.58	0.13	0.72
60588	B	0	5	-1.01	0.41	0.6
60588	C	0	2	-0.41	0.39	0.79
60588	D	0	4	-2.52	1.29	0.25
60589	A	1	52	0.83	0.2	0.85
60589	B	0	0	0	0	0
60589	C	0	2	-0.99	0.24	0.33
60589	D	0	1	-1.97	0	0.12

60590	A	1	43	0.71	0.14	0.73
60590	B	0	4	-1.84	1.78	1.24
60590	C	0	5	-0.58	0.33	0.71
60590	D	0	4	-2.69	1.27	0.22
60591	A	1	51	1.13	0.27	0.77
60591	B	0	0	0	0	0
60591	C	0	4	-0.59	0.74	1.3
60591	D	0	1	-6.38	0	0.01
60592	A	1	49	1.06	0.27	0.75
60592	B	0	4	-0.14	0.72	1.63
60592	C	0	1	-1.53	0	0.21
60592	D	0	4	-3.09	2	0.98
60593	A	1	35	1.94	0.4	1.03
60593	B	0	10	-0.03	0.32	0.87
60593	C	0	5	-0.25	0.24	0.55
60593	D	0	2	-4.21	2.17	0.05
60594	A	1	45	0.84	0.24	0.91
60594	B	0	6	-0.69	0.35	0.71
60594	C	0	3	-0.1	0.53	1.21
60594	D	0	2	-4.79	1.59	0.03
60595	A	1	50	0.94	0.18	0.9
60595	B	0	3	-0.27	0.26	0.59
60595	C	0	0	0	0	0
60595	D	0	3	-0.71	0.8	0.56
60596	A	1	53	1.53	0.29	1.17
60596	B	0	2	0.16	0.58	1.03
60596	C	0	1	0.47	0	1.2
60596	D	0	4	-1.11	1.01	0.73
60597	A	1	42	1.82	0.31	0.85
60597	B	0	5	0.55	0.3	1.04
60597	C	0	8	-0.03	0.25	0.63
60597	D	0	6	-1.45	1.17	0.46
60598	A	1	48	0.9	0.22	1.12
60598	B	0	3	-1.31	0.2	0.28
60598	C	0	4	-0.7	0.44	0.69
60598	D	0	2	-1.31	0.19	0.28

60599	A	1	63	1.64	0.26	0.91
60599	B	0	8	0.1	0.56	1.51
60599	C	0	3	-0.67	0.58	0.42
60599	D	0	2	-0.67	0.42	0.34
60600	A	1	39	1.3	0.34	1.18
60600	B	0	7	-1.45	0.78	0.54
60600	C	0	1	-0.04	0	0.84
60600	D	0	6	-0.48	0.47	0.88
60601	A	1	46	0.84	0.19	0.85
60601	B	0	2	-0.94	1.89	1.33
60601	C	0	4	0	0.43	1.41
60601	D	0	5	-2.47	0.82	0.22
60602	A	1	21	0.46	0.37	1.66
60602	B	0	17	0.6	0.17	1.7
60602	C	0	9	-0.35	0.29	0.74
60602	D	0	9	-1.27	0.4	0.36
60603	A	1	20	1.42	0.44	0.95
60603	B	0	25	0.47	0.17	1.21
60603	C	0	7	0.05	0.3	0.73
60603	D	0	5	-1.08	0.63	0.3
60604	A	1	26	1.12	0.43	2.99
60604	B	0	4	1.12	0.66	2.59
60604	C	0	23	0.47	0.15	1.01
60604	D	0	6	0.04	0.4	0.76
60605	A	1	15	1.16	0.48	1.36
60605	B	0	27	0.48	0.2	1.48
60605	C	0	15	-0.04	0.29	0.78
60605	D	0	3	-0.39	0.07	0.35
60606	A	1	21	0.77	0.15	0.84
60606	B	0	18	0.27	0.39	1.56
60606	C	0	5	0.03	0.81	2.32
60606	D	0	13	-0.35	0.25	0.66
60607	A	1	8	0.94	0.4	0.99
60607	B	0	11	0.5	0.29	1.49
60607	C	0	32	0.02	0.16	0.93
60607	D	0	4	-1.26	0.58	0.31

60608	A	1	24	1.13	0.39	1.11
60608	B	0	19	0.43	0.2	1.38
60608	C	0	7	-0.32	0.3	0.59
60608	D	0	6	-0.6	0.44	0.49
60609	A	1	23	0.78	0.34	1.28
60609	B	0	12	-0.02	0.21	1.01
60609	C	0	5	-0.99	0.45	0.41
60609	D	0	17	-0.03	0.29	1.34
60610	A	1	21	2.05	0.6	2.34
60610	B	0	5	0.52	0.29	0.73
60610	C	0	5	0.68	0.27	0.86
60610	D	0	23	0.45	0.2	0.87
60611	A	1	13	2.77	0.68	0.81
60611	B	0	4	0.73	0.85	1.79
60611	C	0	27	0.68	0.12	0.8
60611	D	0	8	-0.73	0.46	0.29
60612	A	1	10	1.1	0.45	1.71
60612	B	0	24	0.11	0.37	0.91
60612	C	0	13	0.27	0.29	0.9
60612	D	0	9	0.43	0.55	1.89
60613	A	1	16	1.07	0.51	1.49
60613	B	0	18	-0.15	0.2	0.8
60613	C	0	14	0.08	0.25	1.05
60613	D	0	8	0.03	0.39	1.14
60614	A	1	12	1.09	0.31	0.91
60614	B	0	27	0.31	0.13	0.94
60614	C	0	4	0.34	0.81	2.05
60614	D	0	14	-0.1	0.22	0.66
60615	A	1	8	0.42	0.31	1.56
60615	B	0	32	0.65	0.21	1.44
60615	C	0	8	-0.54	0.18	0.4
60615	D	0	6	-1.15	0.8	0.38
60616	A	1	52	1.29	0.29	0.98
60616	B	0	3	-0.24	0.23	0.73
60616	C	0	1	-2.51	0	0.07
60616	D	0	0	0	0	0

60617	A	1	54	0.72	0.26	1.01
60617	B	0	0	0	0	0
60617	C	0	1	-1.24	0	0.34
60617	D	0	0	0	0	0
60618	A	1	35	1.16	0.3	0.98
60618	B	0	0	0	0	0
60618	C	0	9	-0.16	0.35	1.02
60618	D	0	3	-0.22	0.6	0.79
60619	A	1	36	1.11	0.35	1.05
60619	B	0	5	-0.37	0.35	0.83
60619	C	0	6	-0.34	0.24	0.72
60619	D	0	6	-0.39	0.55	1.23
60620	A	1	29	0.28	0.22	1.12
60620	B	0	10	-0.38	0.21	0.97
60620	C	0	6	0.72	0.99	4.16
60620	D	0	10	-1.36	0.62	0.62
60621	A	1	20	1.94	0.47	0.91
60621	B	0	4	-0.44	0.65	0.44
60621	C	0	25	0.41	0.18	1.03
60621	D	0	7	-0.79	1.03	0.75
60622	A	1	13	2.67	0.72	1.23
60622	B	0	7	0.06	0.37	0.61
60622	C	0	15	0.62	0.31	1.15
60622	D	0	18	0.25	0.26	0.86
60623	A	1	42	0.87	0.22	0.96
60623	B	0	4	-0.27	0.36	0.72
60623	C	0	3	-0.99	0.99	0.69
60623	D	0	6	-0.08	0.26	0.89
60624	A	1	24	1.92	0.52	0.97
60624	B	0	17	0.16	0.21	1.05
60624	C	0	2	0.05	0.13	0.62
60624	D	0	12	-0.7	0.59	0.78
60625	A	1	18	1.42	0.38	1.07
60625	B	0	11	0.14	0.28	0.97
60625	C	0	19	0.11	0.44	3.22
60625	D	0	8	-0.68	0.37	0.49

60626	A	1	20	1.29	0.35	0.87
60626	B	0	16	0	0.3	0.85
60626	C	0	11	0.11	0.24	0.86
60626	D	0	7	0.57	0.31	1.24
60627	A	1	21	1.87	0.49	0.91
60627	B	0	13	-0.01	0.29	0.95
60627	C	0	4	-0.75	0.25	0.28
60627	D	0	17	0.16	0.17	0.82
60628	A	1	13	2.47	0.63	0.83
60628	B	0	28	0.43	0.19	0.82
60628	C	0	5	0.23	0.45	0.71
60628	D	0	11	0.38	0.32	0.71
60629	A	1	16	1.75	0.68	1.89
60629	B	0	9	0.75	0.31	1.22
60629	C	0	22	0.53	0.22	1.15
60629	D	0	6	0.1	0.32	0.57
60630	A	1	26	1.67	0.36	0.89
60630	B	0	8	-0.75	0.86	0.54
60630	C	0	16	0.18	0.2	0.74
60630	D	0	4	-0.03	0.5	0.67
60631	A	1	27	1.15	0.26	0.76
60631	B	0	5	-0.49	0.72	0.95
60631	C	0	16	-0.21	0.48	1.04
60631	D	0	9	-1.29	0.79	0.5
60632	A	1	41	1.12	0.29	0.95
60632	B	0	2	-0.02	0.2	0.88
60632	C	0	8	-0.42	0.54	2.81
60632	D	0	2	-1.34	0.43	0.25
60633	A	1	26	1.32	0.43	1.24
60633	B	0	7	0.26	0.22	0.87
60633	C	0	20	0.35	0.15	1.04
60633	D	0	4	-0.57	0.43	0.42
60634	A	1	21	1.04	0.53	4.06
60634	B	0	8	-0.16	0.26	0.57
60634	C	0	19	0.6	0.24	1.94
60634	D	0	7	-0.56	0.32	0.41

60635	A	1	39	0.83	0.21	0.89
60635	B	0	8	0.05	0.27	1.08
60635	C	0	3	-0.93	0.22	0.34
60635	D	0	5	-0.79	0.33	0.45
60636	A	1	31	1.12	0.34	1.12
60636	B	0	9	-0.53	0.28	0.65
60636	C	0	10	0.16	0.24	1.21
60636	D	0	5	-1.04	0.55	0.41
60637	A	1	31	1.89	0.49	0.94
60637	B	0	15	-0.31	0.22	0.65
60637	C	0	2	-0.51	0.26	0.41
60637	D	0	5	0.22	0.41	1.17
60638	A	1	26	0.8	0.18	0.83
60638	B	0	8	0.14	0.28	1.1
60638	C	0	22	-0.16	0.16	0.79
60638	D	0	3	-0.82	0.51	0.42
60639	A	1	38	1.04	0.29	1.24
60639	B	0	7	0.31	0.33	1.26
60639	C	0	8	0.01	0.37	1.03
60639	D	0	3	0.02	0.59	1.02
60640	A	1	22	1.39	0.33	0.9
60640	B	0	21	0.04	0.18	0.8
60640	C	0	10	0.09	0.43	1.29
60640	D	0	2	-0.54	0.14	0.33
60641	A	1	33	0.58	0.19	1.29
60641	B	0	10	0.25	0.28	1.17
60641	C	0	8	0.69	0.19	1.5
60641	D	0	2	0.03	0.06	0.69
60642	A	1	28	1.78	0.45	1.06
60642	B	0	12	0.41	0.28	1.12
60642	C	0	13	-0.53	0.56	0.6
60642	D	0	3	-0.22	0.86	0.76
60643	A	1	17	1.56	0.55	0.91
60643	B	0	17	0.31	0.19	0.97
60643	C	0	12	0.1	0.21	0.79
60643	D	0	10	-0.06	0.32	0.8

60644	A	1	42	1.08	0.3	1
60644	B	0	5	0.27	0.28	1.23
60644	C	0	4	-0.38	0.14	0.57
60644	D	0	4	-0.71	0.11	0.41
60645	A	1	38	1.2	0.26	0.9
60645	B	0	7	0.1	0.2	0.75
60645	C	0	4	0.06	0.54	0.88
60645	D	0	7	-0.3	0.28	0.56
60646	A	1	30	1.32	0.36	0.78
60646	B	0	11	0.11	0.22	0.97
60646	C	0	9	-0.43	0.22	0.57
60646	D	0	4	-0.79	0.46	0.44
60647	A	1	37	1.38	0.27	0.96
60647	B	0	4	-0.13	0.34	0.66
60647	C	0	9	-0.39	0.24	0.55
60647	D	0	4	-0.38	0.53	0.58
60648	A	1	15	2.79	0.69	0.75
60648	B	0	24	0.16	0.16	0.62
60648	C	0	8	0.38	0.4	1.02
60648	D	0	5	-0.67	0.73	0.44
60649	A	1	13	2.2	0.7	1.62
60649	B	0	12	1.3	0.54	1.84
60649	C	0	25	0.37	0.21	0.91
60649	D	0	4	-1.37	0.92	0.22
60650	A	1	22	2.83	0.66	1.21
60650	B	0	12	0.1	0.16	0.61
60650	C	0	12	-0.31	0.32	0.75
60650	D	0	8	-0.24	0.66	1.07
60651	A	1	25	0.98	0.3	1.09
60651	B	0	9	0.41	0.48	2.31
60651	C	0	11	-0.31	0.24	0.7
60651	D	0	7	-0.39	0.33	0.64
60652	A	1	20	1.87	0.42	0.73
60652	B	0	7	1.49	0.26	2.51
60652	C	0	18	-0.05	0.16	0.58
60652	D	0	12	-0.34	0.28	0.44

60653	A	1	21	1.24	0.33	0.9
60653	B	0	14	0.39	0.28	1.41
60653	C	0	6	-1.03	0.9	0.75
60653	D	0	10	-0.46	0.26	0.48
60654	A	1	42	0.66	0.27	0.89
60654	B	0	8	-0.3	0.36	1.09
60654	C	0	4	-1.74	0.33	0.21
60654	D	0	1	1.7	0	5.53
60655	A	1	21	1.34	0.37	0.95
60655	B	0	19	0.12	0.25	1.08
60655	C	0	12	-0.22	0.19	0.6
60655	D	0	4	-0.42	0.22	0.43
60656	A	1	31	2.21	0.45	0.92
60656	B	0	12	-0.19	0.33	0.71
60656	C	0	9	-0.06	0.41	0.92
60656	D	0	3	-0.3	0.36	0.44
60657	A	1	44	1.03	0.29	0.93
60657	B	0	3	0.73	0.53	2.31
60657	C	0	5	-1.32	1.1	0.76
60657	D	0	4	-1	0.5	0.49
60658	A	1	22	1.11	0.49	1.99
60658	B	0	36	0.38	0.15	1.08
60658	C	0	1	-0.81	0	0.23
60658	D	0	3	1.12	0.77	2.4
60659	A	1	13	1.93	0.74	2.43
60659	B	0	34	0.73	0.27	1.37
60659	C	0	6	0.44	0.31	0.67
60659	D	0	3	-1.7	2.18	0.36
60660	A	1	15	1.01	0.2	0.93
60660	B	0	12	0.06	0.23	0.7
60660	C	0	19	0.98	0.29	1.52
60660	D	0	8	-0.67	0.81	0.57
60661	A	1	36	1.02	0.23	0.76
60661	B	0	4	-0.33	0.29	0.66
60661	C	0	14	-0.5	0.25	0.78
60661	D	0	6	-0.85	0.3	0.43

60662	A	1	43	0.63	0.13	0.83
60662	B	0	2	-1.19	0.3	0.28
60662	C	0	7	-0.55	0.16	0.55
60662	D	0	5	-0.43	0.36	0.71
60663	A	1	5	0.51	0.12	1.53
60663	B	0	19	1.01	0.23	1.63
60663	C	0	26	0.23	0.22	1
60663	D	0	8	-0.16	0.65	0.67
60664	A	1	13	1.73	0.2	0.49
60664	B	0	23	0.09	0.17	0.72
60664	C	0	19	-0.05	0.33	0.83
60664	D	0	2	0.48	0.58	0.89
60665	A	1	33	1.07	0.19	0.89
60665	B	0	17	-0.55	0.28	0.61
60665	C	0	5	-1.55	1.28	0.48
60665	D	0	1	-0.85	0	0.32
60666	A	1	31	1.39	0.33	0.89
60666	B	0	11	-0.9	0.17	0.35
60666	C	0	7	0.04	0.2	0.89
60666	D	0	1	-1.32	0	0.2
60667	A	1	39	0.44	0.14	0.84
60667	B	0	2	-0.81	0.43	0.51
60667	C	0	14	-0.51	0.22	0.88
60667	D	0	1	-1.38	0	0.26
60668	A	1	40	1.85	0.31	0.92
60668	B	0	25	0.07	0.26	0.87
60668	C	0	1	-0.51	0	0.27
60668	D	0	3	0.95	0.9	2.19
60669	A	1	39	1.82	0.28	0.87
60669	B	0	7	-0.22	0.23	0.4
60669	C	0	8	0.5	0.37	0.98
60669	D	0	4	-0.01	0.67	0.63
60670	A	1	35	1.89	0.35	1.03
60670	B	0	14	0.38	0.29	1.11
60670	C	0	2	-0.56	0.35	0.27
60670	D	0	9	-0.02	0.46	0.83

60671	A	1	43	0.98	0.21	0.78
60671	B	0	1	-1.96	0	0.11
60671	C	0	10	-0.55	0.3	0.68
60671	D	0	0	0	0	0
60672	A	1	44	1.16	0.23	0.77
60672	B	0	8	-0.75	0.21	0.38
60672	C	0	0	0	0	0
60672	D	0	0	0	0	0
60673	A	1	41	0.73	0.18	0.95
60673	B	0	6	-0.28	0.32	0.97
60673	C	0	2	-0.66	0.39	0.55
60673	D	0	3	-1.77	0.34	0.19
60674	A	1	39	0.84	0.15	0.83
60674	B	0	6	-0.84	0.5	0.49
60674	C	0	8	-0.07	0.49	2.26
60674	D	0	3	-0.05	0.7	1.08
60675	A	1	38	1.27	0.29	1
60675	B	0	8	-0.01	0.32	0.99
60675	C	0	7	-0.53	0.21	0.46
60675	D	0	2	-0.37	0.4	0.52
60676	A	1	30	1.85	0.34	0.78
60676	B	0	7	0.75	0.35	1.37
60676	C	0	12	-0.14	0.2	0.54
60676	D	0	7	-1.18	0.52	0.26
60677	A	1	36	0.89	0.27	1.19
60677	B	0	6	-0.16	0.41	1.04
60677	C	0	6	0.03	0.29	1
60677	D	0	7	-0.76	0.64	0.79
60678	A	1	38	1.16	0.22	0.92
60678	B	0	2	-0.55	0.28	0.37
60678	C	0	14	0.15	0.25	1.15
60678	D	0	3	-0.93	0.28	0.26
60679	A	1	42	1.08	0.29	1.1
60679	B	0	2	-0.56	1.03	0.76
60679	C	0	6	-0.22	0.18	0.74
60679	D	0	3	-1.11	0.44	0.34

60680	A	1	42	0.61	0.29	1.48
60680	B	0	9	-0.69	0.24	0.69
60680	C	0	2	-0.34	1.12	1.37
60680	D	0	1	-0.02	0	1.11
60681	A	1	22	1.54	0.42	1.27
60681	B	0	12	-0.31	0.27	0.41
60681	C	0	15	0.97	0.33	2.1
60681	D	0	8	-0.25	0.67	0.97
60682	A	1	16	0.96	0.46	1.12
60682	B	0	12	-0.43	0.22	0.55
60682	C	0	16	0.58	0.25	1.77
60682	D	0	11	-0.65	0.49	0.76
60683	A	1	6	0.43	0.58	3.29
60683	B	0	29	0.16	0.25	0.83
60683	C	0	19	0.97	0.3	1.86
60683	D	0	1	-0.9	0	0.15
60684	A	1	18	-0.08	0.25	2.3
60684	B	0	36	0.26	0.21	1.86
60684	C	0	0	0	0	0
60684	D	0	2	-2.8	1.35	0.2
60685	A	1	41	1.05	0.21	0.93
60685	B	0	11	-0.51	0.18	0.57
60685	C	0	1	-1.42	0	0.2
60685	D	0	2	-1.47	1	0.29
60686	A	1	33	0.69	0.23	0.91
60686	B	0	9	-0.28	0.35	1.24
60686	C	0	9	-0.37	0.25	0.82
60686	D	0	3	-2.58	1.75	0.3
60687	A	1	30	0.89	0.23	1.94
60687	B	0	25	0.45	0.18	1.12
60687	C	0	0	0	0	0
60687	D	0	1	0.59	0	0.94
60688	A	1	41	0.92	0.21	0.84
60688	B	0	5	-0.41	0.24	0.6
60688	C	0	2	2.7	3.19	8.05
60688	D	0	7	-1.22	0.86	0.64

60689	A	1	27	1.27	0.36	1.05
60689	B	0	11	0.11	0.24	1.04
60689	C	0	7	-0.07	0.39	0.97
60689	D	0	9	-0.99	0.69	0.63
60690	A	1	51	1.11	0.22	0.73
60690	B	0	2	-1.24	0.59	0.31
60690	C	0	3	-1.08	0.52	0.39
60690	D	0	2	-1.96	0.51	0.15
60691	A	1	29	1.48	0.4	1.02
60691	B	0	8	0.16	0.35	1.13
60691	C	0	11	0.13	0.24	1.02
60691	D	0	6	-1.12	0.35	0.28
60692	A	1	45	0.57	0.19	0.79
60692	B	0	2	-1.55	0.42	0.29
60692	C	0	4	-0.29	0.15	0.96
60692	D	0	3	-3.52	1.42	0.17
60693	A	1	42	0.86	0.22	0.81
60693	B	0	6	-0.73	0.28	0.56
60693	C	0	4	-0.95	0.45	0.55
60693	D	0	2	-3.29	2.77	0.32
60694	A	1	40	0.97	0.19	0.81
60694	B	0	1	-1.51	0	0.19
60694	C	0	9	-0.58	0.16	0.51
60694	D	0	4	-1.9	1.41	0.44
60695	A	1	25	1.02	0.34	1.36
60695	B	0	18	0.23	0.2	1.11
60695	C	0	6	-0.39	0.38	0.65
60695	D	0	8	-0.57	0.21	0.45
60696	A	1	31	1.2	0.32	1.19
60696	B	0	8	0.61	0.43	2.04
60696	C	0	8	-0.44	0.3	0.52
60696	D	0	9	0.14	0.21	0.87
60697	A	1	45	0.77	0.21	1.08
60697	B	0	2	-0.09	0.35	0.92
60697	C	0	5	-0.96	0.26	0.42
60697	D	0	3	-1.12	0.09	0.31

60698	A	1	48	0.74	0.26	1.12
60698	B	0	0	0	0	0
60698	C	0	4	-0.7	0.42	0.67
60698	D	0	3	-0.97	0.57	0.56
60699	A	1	41	1.18	0.25	1.03
60699	B	0	9	0.14	0.34	1.07
60699	C	0	3	-1.09	0.04	0.22
60699	D	0	2	-0.35	1.11	0.79
60700	A	1	32	0.86	0.31	1.03
60700	B	0	8	-0.4	0.32	0.86
60700	C	0	15	-0.18	0.23	0.96
60700	D	0	2	-0.21	0.29	0.72
60701	A	1	38	0.32	0.16	0.88
60701	B	0	9	-1.04	0.24	0.57
60701	C	0	1	-0.39	0	0.84
60701	D	0	2	-0.06	0.35	1.23
60702	A	1	47	1.01	0.23	0.95
60702	B	0	9	-0.4	0.31	0.68
60702	C	0	1	-0.42	0	0.49
60702	D	0	0	0	0	0
60703	A	1	19	0.21	0.22	1.7
60703	B	0	37	0.28	0.17	1.55
60703	C	0	3	-0.62	0.62	0.52
60703	D	0	1	-0.74	0	0.34
60704	A	1	43	1.06	0.15	0.67
60704	B	0	7	-0.98	0.23	0.34
60704	C	0	6	-0.38	0.41	0.82
60704	D	0	2	-1.49	0.5	0.2
60705	A	1	21	1.47	0.58	2.62
60705	B	0	29	0.53	0.27	1.35
60705	C	0	2	-0.69	0.29	0.26
60705	D	0	2	-1.5	1.56	0.28
60706	A	1	50	0.72	0.27	1.19
60706	B	0	4	-0.28	0.45	1.2
60706	C	0	1	-1.56	0	0.27
60706	D	0	0	0	0	0

60707	A	1	40	1.59	0.35	0.75
60707	B	0	11	-0.71	0.16	0.45
60707	C	0	5	-0.38	0.19	0.58
60707	D	0	3	-1.12	0.23	0.27
60708	A	1	29	1.93	0.36	0.77
60708	B	0	9	-0.72	0.28	0.33
60708	C	0	9	0.71	0.31	1.32
60708	D	0	8	-0.93	0.84	0.47
60709	A	1	43	0.71	0.21	0.83
60709	B	0	5	0.9	1.52	10.08
60709	C	0	7	-0.51	0.21	0.73
60709	D	0	3	-5.07	1.69	0.08
60710	A	1	43	0.69	0.14	0.75
60710	B	0	4	-0.94	0.47	0.53
60710	C	0	7	0.02	0.55	2.35
60710	D	0	3	-2.99	1.8	0.22
60711	A	1	43	1.36	0.31	0.92
60711	B	0	7	-0.68	0.22	0.43
60711	C	0	4	0.18	0.31	0.99
60711	D	0	0	0	0	0
60712	A	1	38	1.58	0.36	0.99
60712	B	0	16	-0.46	0.13	0.53
60712	C	0	0	0	0	0
60712	D	0	5	-0.52	0.45	0.76
60713	A	1	29	0.93	0.22	1.22
60713	B	0	19	0.53	0.22	1.58
60713	C	0	4	0.06	0.52	1
60713	D	0	6	-0.84	0.35	0.33
60714	A	1	32	1.19	0.22	0.71
60714	B	0	14	0.1	0.19	0.91
60714	C	0	7	-0.26	0.32	0.68
60714	D	0	7	-1.43	0.89	0.4
60715	A	1	30	1.49	0.32	0.88
60715	B	0	11	0.05	0.21	0.75
60715	C	0	4	0.76	0.36	1.4
60715	D	0	6	-0.74	0.42	0.37

60716	A	1	28	1.07	0.3	1.62
60716	B	0	12	0.08	0.27	1.01
60716	C	0	9	0.11	0.2	0.78
60716	D	0	10	0.07	0.35	1.23
60717	A	1	29	1.22	0.29	0.85
60717	B	0	10	-0.27	0.3	0.83
60717	C	0	6	-1.08	0.36	0.35
60717	D	0	7	-0.43	0.42	0.76
60718	A	1	12	2.06	0.58	1.34
60718	B	0	18	0.73	0.26	1.24
60718	C	0	10	0.42	0.25	0.69
60718	D	0	16	-0.06	0.27	0.62
60719	A	1	28	2.55	0.52	1.09
60719	B	0	20	0.34	0.21	1.03
60719	C	0	5	-0.84	0.12	0.21
60719	D	0	8	-0.64	0.3	0.35
60720	A	1	13	1.43	0.58	1.72
60720	B	0	17	0.62	0.29	1.56
60720	C	0	8	-0.11	0.42	0.9
60720	D	0	15	-0.07	0.28	0.74
60721	A	1	33	1.12	0.26	1.03
60721	B	0	3	-0.57	0.25	0.42
60721	C	0	7	1.1	0.98	5.17
60721	D	0	14	-0.51	0.13	0.47
60722	A	1	47	0.59	0.21	0.91
60722	B	0	1	-1.72	0	0.21
60722	C	0	3	-0.96	0.16	0.46
60722	D	0	5	-0.85	0.31	0.62
60723	A	1	29	1.19	0.31	1.21
60723	B	0	13	0.31	0.15	0.87
60723	C	0	8	0.21	0.21	0.81
60723	D	0	8	0.09	0.37	0.91
60724	A	1	40	1.2	0.3	0.84
60724	B	0	0	0	0	0
60724	C	0	7	-0.23	0.38	1
60724	D	0	3	-2.89	1.94	0.33

60725	A	1	37	1.47	0.3	0.9
60725	B	0	9	0.49	0.22	1.08
60725	C	0	6	-0.34	0.2	0.44
60725	D	0	5	-0.69	0.53	0.49
60726	A	1	26	1.15	0.2	0.78
60726	B	0	13	-0.14	0.21	0.73
60726	C	0	12	-0.47	0.23	0.55
60726	D	0	12	0.05	0.18	0.84
60727	A	1	46	1.03	0.15	0.75
60727	B	0	3	-1.15	0.46	0.32
60727	C	0	2	-1.71	0	0.16
60727	D	0	4	-0.98	0.36	0.38
60728	A	1	24	1.61	0.42	0.93
60728	B	0	13	-0.39	0.21	0.6
60728	C	0	4	0.51	0.56	1.71
60728	D	0	11	-0.41	0.19	0.53
60729	A	1	26	1.56	0.37	1.1
60729	B	0	11	0.77	0.38	1.88
60729	C	0	9	-0.15	0.37	0.85
60729	D	0	9	-0.18	0.37	0.63
60730	A	1	8	2.2	0.8	1.38
60730	B	0	9	0.73	0.46	1.27
60730	C	0	22	0.89	0.36	1.27
60730	D	0	20	0.33	0.24	0.64
60731	A	1	41	0.69	0.23	0.93
60731	B	0	1	-1.97	0	0.14
60731	C	0	9	0.59	0.73	3.58
60731	D	0	2	-2.45	0.26	0.1
60732	A	1	32	1.56	0.4	1
60732	B	0	13	0.06	0.35	1.66
60732	C	0	6	-0.42	0.38	0.55
60732	D	0	7	0.14	0.45	1.23
60733	A	1	22	1.49	0.52	1.94
60733	B	0	12	0.87	0.61	2.69
60733	C	0	5	0.09	0.37	0.68
60733	D	0	19	0.19	0.28	1.11

60734	A	1	14	1.14	0.5	1.2
60734	B	0	8	0.29	0.32	0.97
60734	C	0	10	0.4	0.37	1.45
60734	D	0	22	0.07	0.26	0.96
60735	A	1	10	1.91	0.71	1.07
60735	B	0	13	-0.4	0.2	0.4
60735	C	0	21	0.54	0.25	1.51
60735	D	0	13	-0.79	0.51	0.7
60736	A	1	21	1.05	0.47	1.74
60736	B	0	21	0.43	0.25	1.38
60736	C	0	6	0.22	0.52	1.29
60736	D	0	9	0.1	0.27	0.84
60737	A	1	31	1.08	0.34	1.21
60737	B	0	9	0.1	0.29	1.08
60737	C	0	11	-0.33	0.26	0.69
60737	D	0	2	0.76	0.73	1.93
60738	A	1	20	1.56	0.49	2.34
60738	B	0	9	0.93	0.36	1.66
60738	C	0	12	0.46	0.28	1.03
60738	D	0	15	-0.15	0.27	0.59
60739	A	1	36	0.84	0.17	0.91
60739	B	0	10	-0.37	0.24	0.67
60739	C	0	4	0.48	0.38	1.46
60739	D	0	11	-0.75	0.68	1.09
60740	A	1	38	0.96	0.25	1.46
60740	B	0	12	0.15	0.28	1.1
60740	C	0	5	-0.14	0.5	0.87
60740	D	0	2	1.73	0.69	4.49
60741	A	1	38	1.58	0.34	1.13
60741	B	0	8	-0.31	0.29	0.65
60741	C	0	8	-0.16	0.3	0.75
60741	D	0	5	-0.43	0.33	0.51
60742	A	1	31	1.33	0.27	1.06
60742	B	0	7	0.02	0.25	0.67
60742	C	0	9	-0.3	0.26	0.53
60742	D	0	9	-0.27	0.82	1.11

60743	A	1	31	1.25	0.3	0.75
60743	B	0	4	-0.59	0.52	0.63
60743	C	0	7	-0.25	0.26	0.76
60743	D	0	11	-0.76	0.22	0.47
60744	A	1	28	1.18	0.34	0.82
60744	B	0	5	-0.63	0.22	0.46
60744	C	0	20	-0.2	0.18	0.86
60744	D	0	2	-1.57	0.75	0.21
60745	A	1	45	1.13	0.32	0.88
60745	B	0	1	-0.43	0	0.71
60745	C	0	6	-1.02	0.29	0.46
60745	D	0	4	-1.21	0.37	0.4
60746	A	1	38	1.02	0.24	1.03
60746	B	0	9	-0.48	0.14	0.5
60746	C	0	6	0.38	0.25	1.26
60746	D	0	5	-0.44	0.29	0.57
60747	A	1	40	1.22	0.32	1
60747	B	0	3	-0.82	0.84	0.69
60747	C	0	7	0.05	0.44	1.32
60747	D	0	3	-0.35	0.45	0.67
60748	A	1	35	1.28	0.34	1.14
60748	B	0	15	-0.2	0.19	0.84
60748	C	0	3	-0.82	0.19	0.36
60748	D	0	2	-1.32	0.46	0.23
60749	A	1	47	0.88	0.23	0.84
60749	B	0	0	0	0	0
60749	C	0	5	-0.55	0.37	0.77
60749	D	0	3	-1.74	0.21	0.19
60750	A	1	26	1.31	0.29	0.8
60750	B	0	8	0.31	0.21	0.97
60750	C	0	10	-0.41	0.31	0.59
60750	D	0	11	-0.32	0.36	0.69
60751	A	1	38	1.28	0.3	0.98
60751	B	0	11	-0.11	0.3	1.08
60751	C	0	4	-0.21	0.55	0.97
60751	D	0	4	-1.18	0.2	0.24

60752	A	1	43	1.05	0.28	0.99
60752	B	0	5	-0.94	0.33	0.46
60752	C	0	6	-0.26	0.43	1.1
60752	D	0	0	0	0	0
60753	A	1	23	1.41	0.36	1.16
60753	B	0	20	0.11	0.22	1
60753	C	0	6	-0.28	0.25	0.51
60753	D	0	5	-1.49	0.98	0.39
60754	A	1	27	1.03	0.24	1.15
60754	B	0	17	0.03	0.24	1.12
60754	C	0	2	-0.45	0.22	0.43
60754	D	0	6	-0.26	0.19	0.55
60755	A	1	41	1.07	0.22	1.18
60755	B	0	4	-0.42	0.45	0.58
60755	C	0	0	0	0	0
60755	D	0	10	-0.22	0.19	0.63
60756	A	1	38	1.06	0.25	0.98
60756	B	0	7	-0.18	0.33	0.9
60756	C	0	5	-0.19	0.36	0.8
60756	D	0	3	-1.22	0.45	0.27
60757	A	1	21	1.2	0.42	1.56
60757	B	0	13	0.34	0.23	1.09
60757	C	0	17	0.09	0.16	0.74
60757	D	0	6	0.13	0.26	0.75
60758	A	1	31	1.89	0.38	0.97
60758	B	0	8	0.19	0.34	0.91
60758	C	0	12	0.03	0.37	1.22
60758	D	0	4	-0.75	0.39	0.29
60759	A	1	38	1.87	0.42	1.08
60759	B	0	4	-0.93	0.5	0.35
60759	C	0	8	0.08	0.26	0.9
60759	D	0	5	-0.44	0.56	0.78
60760	A	1	46	1.67	0.37	0.89
60760	B	0	1	-0.54	0	0.53
60760	C	0	3	-0.82	0.19	0.41
60760	D	0	4	-1.42	0.68	0.37

60761	A	1	20	1.68	0.55	1.04
60761	B	0	13	0.46	0.26	1.41
60761	C	0	4	-0.74	0.91	1.03
60761	D	0	12	-0.47	0.28	0.49
60762	A	1	21	1.18	0.39	1.28
60762	B	0	5	-0.45	0.91	1.05
60762	C	0	17	-0.07	0.39	1.16
60762	D	0	9	-0.71	0.88	0.94
60763	A	1	6	0.6	0.75	6.44
60763	B	0	33	1.44	0.25	1.45
60763	C	0	7	0.36	0.39	0.54
60763	D	0	6	0.4	0.22	0.39
60764	A	1	40	0.83	0.17	0.97
60764	B	0	7	0.15	0.22	1.03
60764	C	0	5	-1.2	0.27	0.28
60764	D	0	1	0.6	0	1.42
60765	A	1	23	1.78	0.43	1.26
60765	B	0	11	0.29	0.25	0.8
60765	C	0	8	-0.52	0.28	0.35
60765	D	0	14	0.31	0.4	1.25
60766	A	1	39	0.83	0.22	0.83
60766	B	0	7	-0.71	0.45	0.93
60766	C	0	7	-0.93	0.3	0.48
60766	D	0	3	-1.04	1.4	1.66
60767	A	1	45	1.25	0.22	0.76
60767	B	0	4	-0.91	0.56	0.47
60767	C	0	2	-0.43	0.37	0.47
60767	D	0	3	-0.72	0.38	0.37
60768	A	1	44	1.32	0.3	0.75
60768	B	0	2	-0.64	0.55	0.56
60768	C	0	1	-1.66	0	0.18
60768	D	0	7	-1.82	0.96	0.47
60769	A	1	37	1.17	0.28	1.08
60769	B	0	6	-0.1	0.23	0.68
60769	C	0	6	0.66	0.44	2.06
60769	D	0	5	-1.66	1.38	0.5

60770	A	1	43	1.03	0.24	0.77
60770	B	0	3	-0.19	0.35	0.79
60770	C	0	3	-0.8	0.42	0.46
60770	D	0	5	-1.29	0.3	0.29
60771	A	1	36	1.17	0.29	0.98
60771	B	0	3	-0.45	0.64	0.69
60771	C	0	10	-0.77	0.31	0.54
60771	D	0	7	0.8	0.25	1.87
60772	A	1	45	1.15	0.23	0.89
60772	B	0	1	0.19	0	0.8
60772	C	0	6	-0.22	0.26	0.64
60772	D	0	4	-0.47	0.54	0.62
60773	A	1	15	1.27	0.5	1.12
60773	B	0	10	0.13	0.21	0.76
60773	C	0	13	0.64	0.2	1.32
60773	D	0	12	-1.02	0.81	0.67
60774	A	1	23	1.5	0.36	1.06
60774	B	0	11	0.22	0.25	0.87
60774	C	0	7	0.53	0.23	1.04
60774	D	0	13	-0.78	0.52	0.52
60775	A	1	21	1.35	0.41	2.2
60775	B	0	14	0.12	0.23	0.79
60775	C	0	5	1.52	1.29	3.95
60775	D	0	15	-0.55	0.51	0.67
60776	A	1	23	1.72	0.35	1.25
60776	B	0	9	0.51	0.24	0.97
60776	C	0	10	0.46	0.35	1.13
60776	D	0	15	-0.82	0.47	0.44
60777	A	1	16	1	0.26	1.21
60777	B	0	8	1.55	0.72	2.87
60777	C	0	11	0.05	0.26	0.7
60777	D	0	19	-0.02	0.44	0.92
60778	A	1	31	1.67	0.41	1.59
60778	B	0	5	0.47	0.43	1.17
60778	C	0	10	0.26	0.37	1.14
60778	D	0	9	0.13	0.44	0.87

60779	A	1	28	1.69	0.36	0.9
60779	B	0	5	0.21	0.37	0.77
60779	C	0	9	0.26	0.42	1.33
60779	D	0	13	-0.06	0.33	0.72
60780	A	1	32	1.32	0.33	0.92
60780	B	0	1	0.15	0	0.87
60780	C	0	9	-0.06	0.31	1.09
60780	D	0	11	-0.92	0.3	0.42
60781	A	1	45	0.99	0.24	0.83
60781	B	0	3	-0.56	0.43	0.61
60781	C	0	2	-0.92	0.92	0.52
60781	D	0	2	-1.61	0.11	0.2
60782	A	1	21	1.39	0.32	0.86
60782	B	0	10	0.62	0.29	1.25
60782	C	0	10	0.62	0.29	1.34
60782	D	0	14	-0.19	0.2	0.5
60783	A	1	16	2.32	0.7	1.16
60783	B	0	5	-0.85	0.31	0.22
60783	C	0	18	0.83	0.28	1.76
60783	D	0	14	0.01	0.15	0.47
60784	A	1	21	2.1	0.47	0.89
60784	B	0	5	0.02	0.63	1.03
60784	C	0	15	0.05	0.23	0.76
60784	D	0	13	-0.5	0.54	0.54
60785	A	1	24	1.49	0.38	1.2
60785	B	0	6	-0.15	0.34	0.59
60785	C	0	5	-0.18	0.15	0.45
60785	D	0	16	0.15	0.51	1.43
60786	A	1	33	1.25	0.23	0.97
60786	B	0	4	0.39	0.45	1.09
60786	C	0	9	0.23	0.32	0.97
60786	D	0	12	-0.21	0.29	0.59
60787	A	1	33	1.49	0.3	0.86
60787	B	0	6	0.94	0.33	1.76
60787	C	0	9	-0.37	0.29	0.52
60787	D	0	3	-1	0.57	0.26

60788	A	1	38	1.47	0.22	1.11
60788	B	0	10	0.03	0.2	0.52
60788	C	0	9	1.43	0.38	2.78
60788	D	0	5	-0.55	0.31	0.29
60789	A	1	47	1.24	0.28	0.88
60789	B	0	8	-0.37	0.43	1.21
60789	C	0	0	0	0	0
60789	D	0	1	-1.45	0	0.19
60790	A	1	25	1.37	0.38	1.24
60790	B	0	24	0.4	0.19	1.16
60790	C	0	5	-0.06	0.28	0.59
60790	D	0	2	-1.44	0.68	0.16
60791	A	1	50	0.66	0.2	0.87
60791	B	0	2	-1.41	0.23	0.27
60791	C	0	0	0	0	0
60791	D	0	4	-0.89	0.48	0.6
60792	A	1	30	1.42	0.37	1.32
60792	B	0	11	0.61	0.2	1.19
60792	C	0	6	0.37	0.3	0.95
60792	D	0	6	-1.63	1.11	0.42
60793	A	1	42	1.18	0.29	0.96
60793	B	0	5	-0.22	0.36	0.74
60793	C	0	6	-0.11	0.41	1
60793	D	0	2	-0.65	0.36	0.41
60794	A	1	39	1.05	0.3	1.08
60794	B	0	4	-1.17	0.16	0.3
60794	C	0	10	0.28	0.75	4.26
60794	D	0	3	-0.74	0.88	0.75
60795	A	1	40	1.23	0.26	1.05
60795	B	0	12	0.06	0.22	0.88
60795	C	0	0	0	0	0
60795	D	0	1	-0.72	0	0.3
60796	A	1	38	1.31	0.23	0.77
60796	B	0	5	-0.06	0.3	0.8
60796	C	0	10	-0.75	0.19	0.4
60796	D	0	3	-0.64	0.33	0.42

60797	A	1	27	1.71	0.33	0.83
60797	B	0	14	0.47	0.24	1.21
60797	C	0	8	-0.44	0.47	0.58
60797	D	0	5	-0.42	0.31	0.38
60798	A	1	16	1.47	0.43	1.36
60798	B	0	21	0.84	0.26	1.84
60798	C	0	11	-0.33	0.47	0.52
60798	D	0	6	0.03	0.4	0.69
60799	A	1	8	1.25	0.56	2
60799	B	0	28	0.22	0.18	0.85
60799	C	0	8	0.56	0.81	2.21
60799	D	0	11	-0.56	0.7	0.74
60800	A	1	20	1.94	0.46	1.19
60800	B	0	18	0.57	0.46	1.87
60800	C	0	8	0.92	0.47	1.64
60800	D	0	3	-0.42	0.3	0.26
60801	A	1	23	1.19	0.23	0.86
60801	B	0	12	-0.83	0.44	0.57
60801	C	0	6	-0.21	0.61	1.3
60801	D	0	14	-0.28	0.52	1
60802	A	1	24	1.21	0.24	0.99
60802	B	0	14	0.1	0.16	0.78
60802	C	0	2	-0.32	0.84	0.62
60802	D	0	17	-0.24	0.18	0.62
60803	A	1	24	1.53	0.36	0.83
60803	B	0	7	-0.09	0.31	0.71
60803	C	0	16	-0.08	0.22	0.78
60803	D	0	9	0.1	0.36	1.01
60804	A	1	33	1.39	0.21	0.74
60804	B	0	14	-0.27	0.58	1.16
60804	C	0	6	-0.52	0.07	0.33
60804	D	0	1	-0.66	0	0.28
60805	A	1	33	1.05	0.17	0.84
60805	B	0	21	-0.12	0.22	1.01
60805	C	0	2	0.03	0.7	0.82
60805	D	0	0	0	0	0

60806	A	1	46	0.94	0.25	0.86
60806	B	0	2	-0.42	0.1	0.58
60806	C	0	2	-0.67	0	0.45
60806	D	0	1	-2.48	0	0.08
60807	A	1	44	0.67	0.19	0.97
60807	B	0	2	-1.41	0.01	0.25
60807	C	0	5	-0.69	0.23	0.56
60807	D	0	6	-0.79	0.32	0.59
60808	A	1	39	0.92	0.25	0.96
60808	B	0	8	-0.51	0.18	0.61
60808	C	0	6	-0.4	0.48	0.91
60808	D	0	3	-0.71	0.96	1.07
60809	A	1	27	0.86	0.21	1.09
60809	B	0	9	-0.29	0.35	0.78
60809	C	0	12	0.11	0.29	1.12
60809	D	0	5	-0.56	0.55	0.82
60810	A	1	19	0.98	0.32	2.67
60810	B	0	11	0.77	0.78	2.47
60810	C	0	14	0.28	0.23	0.84
60810	D	0	10	0.53	0.28	0.98
60811	A	1	16	1.39	0.47	1.14
60811	B	0	6	0.09	0.23	0.64
60811	C	0	16	0.17	0.26	1.12
60811	D	0	11	0.53	0.6	1.52
60812	A	1	13	1.99	0.6	0.91
60812	B	0	20	0.66	0.44	1.79
60812	C	0	18	0.51	0.17	0.81
60812	D	0	3	-1.43	0.57	0.12
60813	A	1	32	1.2	0.26	0.92
60813	B	0	1	-2.38	0	0.05
60813	C	0	20	0.31	0.25	1.26
60813	D	0	3	-0.46	1.02	0.69
60814	A	1	18	1.34	0.39	1.19
60814	B	0	9	0.98	0.81	2.82
60814	C	0	17	0.02	0.24	0.75
60814	D	0	11	-0.2	0.4	0.85

60815	A	1	36	1.13	0.22	0.75
60815	B	0	9	-0.47	0.25	0.55
60815	C	0	9	-0.31	0.16	0.57
60815	D	0	2	-1.04	1.44	0.55
60816	A	1	31	1	0.18	0.76
60816	B	0	20	-0.44	0.17	0.63
60816	C	0	1	-1.52	0	0.17
60816	D	0	3	-0.31	0.29	0.61
60817	A	1	23	1.06	0.21	0.94
60817	B	0	22	0.3	0.15	0.94
60817	C	0	6	-0.03	0.18	0.58
60817	D	0	4	0.17	0.15	0.68
60818	A	1	28	1.25	0.31	1.44
60818	B	0	5	0.29	0.52	1.41
60818	C	0	16	0.37	0.22	1.09
60818	D	0	6	-0.25	0.27	0.48
60819	A	1	38	0.89	0.25	1.2
60819	B	0	5	-0.65	0.59	0.84
60819	C	0	12	-0.04	0.22	0.95
60819	D	0	0	0	0	0
60820	A	1	5	2.58	1.43	4.34
60820	B	0	48	0.95	0.17	0.91
60820	C	0	2	1.34	1.12	1.29
60820	D	0	1	1.4	0	0.87
60821	A	1	47	1.11	0.23	0.88
60821	B	0	2	-0.3	0.05	0.55
60821	C	0	3	-0.36	0.36	0.59
60821	D	0	4	-1	0.31	0.31
60822	A	1	45	0.56	0.17	1.05
60822	B	0	6	-0.13	0.59	1.78
60822	C	0	3	-0.62	0.18	0.54
60822	D	0	0	0	0	0
60823	A	1	40	1.15	0.28	1.01
60823	B	0	4	-0.13	0.34	0.78
60823	C	0	8	-0.06	0.45	1.96
60823	D	0	3	-0.9	0.3	0.33

60824	A	1	45	1.67	0.27	0.85
60824	B	0	5	-1.05	0.4	0.27
60824	C	0	4	0.32	0.18	0.84
60824	D	0	5	-0.38	0.5	0.62
60825	A	1	45	1.29	0.28	1.23
60825	B	0	7	-0.29	0.32	0.66
60825	C	0	2	-0.44	0.05	0.42
60825	D	0	0	0	0	0
60826	A	1	37	1.45	0.3	0.87
60826	B	0	6	-0.04	0.33	0.78
60826	C	0	9	0.24	0.4	1.35
60826	D	0	5	-0.77	0.21	0.3
60827	A	1	26	1.81	0.47	2.95
60827	B	0	12	0.37	0.27	0.96
60827	C	0	12	-0.12	0.22	0.57
60827	D	0	6	-0.08	0.46	0.65
60828	A	1	23	1.72	0.42	1.15
60828	B	0	26	0.68	0.26	1.13
60828	C	0	3	-1.42	0.54	0.14
60828	D	0	5	0.43	0.7	1.65
60829	A	1	20	2.17	0.43	0.89
60829	B	0	20	0.22	0.14	0.61
60829	C	0	12	0.28	0.26	0.78
60829	D	0	2	-3.01	2.53	0.14
60830	A	1	39	1.31	0.32	1.15
60830	B	0	7	-0.69	0.21	0.48
60830	C	0	12	-0.16	0.24	0.99
60830	D	0	4	-1.56	0.79	0.36
60831	A	1	46	1.81	0.34	0.87
60831	B	0	5	-0.72	0.51	0.52
60831	C	0	3	-1.17	0.81	0.42
60831	D	0	4	-0.16	0.25	0.66
60832	A	1	30	1.17	0.29	0.97
60832	B	0	4	-0.05	0.1	0.71
60832	C	0	12	0.15	0.27	1.48
60832	D	0	6	-2.22	0.8	0.21

60833	A	1	44	1.05	0.24	0.8
60833	B	0	2	-0.71	0.59	0.51
60833	C	0	3	-0.67	0.52	0.56
60833	D	0	4	-2.16	1.14	0.27
60834	A	1	40	1.84	0.38	0.73
60834	B	0	6	-0.26	0.2	0.62
60834	C	0	4	-0.5	0.18	0.46
60834	D	0	4	-2.65	1.47	0.19
60835	A	1	10	2.32	1.01	2.2
60835	B	0	3	-0.94	0.44	0.16
60835	C	0	35	0.96	0.27	1.17
60835	D	0	5	-0.09	0.66	0.69
60836	A	1	43	1.1	0.27	0.72
60836	B	0	5	-1.62	0.34	0.25
60836	C	0	5	-0.8	0.18	0.46
60836	D	0	3	-0.67	0.2	0.52
60837	A	1	52	0.88	0.28	1.75
60837	B	0	1	-1.32	0	0.33
60837	C	0	3	-1.28	0.73	0.51
60837	D	0	0	0	0	0
60838	A	1	46	1.25	0.24	0.64
60838	B	0	2	-1.89	0.85	0.19
60838	C	0	3	-1.21	0.7	0.41
60838	D	0	4	-2.34	1.56	0.34
60839	A	1	49	0.74	0.17	0.75
60839	B	0	2	-0.78	0.66	0.56
60839	C	0	1	-1.02	0	0.35
60839	D	0	2	-3.83	3.15	0.26
60840	A	1	27	1.26	0.41	1.09
60840	B	0	1	-1.59	0	0.14
60840	C	0	20	0.11	0.47	1.76
60840	D	0	7	-1.12	1.07	0.89
60841	A	1	28	1.37	0.37	1.31
60841	B	0	22	0.43	0.23	1.35
60841	C	0	2	-0.71	0.88	0.38
60841	D	0	2	-1.86	1.46	0.2

60842	A	1	29	1.67	0.26	0.61
60842	B	0	16	-0.35	0.44	0.94
60842	C	0	7	-0.47	0.28	0.47
60842	D	0	4	-2.46	1.58	0.27
60843	A	1	53	1.16	0.27	0.74
60843	B	0	1	1.05	0	3.2
60843	C	0	1	-1.32	0	0.3
60843	D	0	1	-6.98	0	0.02
60844	A	1	39	1.12	0.28	0.88
60844	B	0	6	-0.83	0.28	0.43
60844	C	0	10	-0.17	0.2	0.82
60844	D	0	1	-3.2	0	0.04
60845	A	1	40	2.43	0.31	0.68
60845	B	0	10	-0.05	0.36	0.66
60845	C	0	21	0.46	0.4	1.32
60845	D	0	5	-2.68	1.73	0.35
60846	A	1	39	1.42	0.32	1.07
60846	B	0	6	0.01	0.45	1
60846	C	0	6	1.04	0.3	2.11
60846	D	0	3	-0.72	0.2	0.29
60847	A	1	52	0.7	0.25	1.16
60847	B	0	3	-0.56	0.18	0.68
60847	C	0	0	0	0	0
60847	D	0	1	-2.61	0	0.11
60848	A	1	43	0.89	0.25	1.02
60848	B	0	3	-0.52	0.19	0.63
60848	C	0	4	-1.57	1.71	0.95
60848	D	0	2	-1.22	1.4	0.65
60849	A	1	33	1.2	0.22	0.76
60849	B	0	5	-0.32	0.19	0.49
60849	C	0	12	0.5	0.51	1.47
60849	D	0	7	-0.68	0.18	0.35
60850	A	1	47	0.62	0.24	1.01
60850	B	0	2	0.04	0.44	1.34
60850	C	0	3	-1.18	0.32	0.41
60850	D	0	1	-1.69	0	0.22

60851	A	1	46	1.06	0.24	1.08
60851	B	0	5	-0.04	0.32	0.85
60851	C	0	2	-0.26	0.39	0.62
60851	D	0	2	-0.63	0.26	0.41
60852	A	1	32	1.46	0.34	0.97
60852	B	0	8	0.52	0.16	1.19
60852	C	0	15	-0.61	0.19	0.44
60852	D	0	0	0	0	0
60853	A	1	48	1.09	0.22	0.77
60853	B	0	2	-1.15	0.45	0.3
60853	C	0	4	-0.66	0.17	0.47
60853	D	0	2	-3.68	2.8	0.19
60854	A	1	38	1.26	0.29	0.8
60854	B	0	6	-0.61	0.35	0.65
60854	C	0	4	-0.34	0.32	0.71
60854	D	0	6	-2.54	1.35	0.46
60855	A	1	46	1.19	0.28	0.88
60855	B	0	3	-0.45	0.45	0.73
60855	C	0	4	-0.81	0.18	0.43
60855	D	0	3	-2.84	2.2	0.55
60856	A	1	32	0.86	0.23	0.88
60856	B	0	12	-0.02	0.31	1.32
60856	C	0	4	-0.35	0.64	0.99
60856	D	0	8	-0.77	0.4	0.55
60857	A	1	35	1.11	0.23	0.97
60857	B	0	4	0.48	0.51	1.4
60857	C	0	10	0.23	0.24	1
60857	D	0	6	-1.18	1.16	0.83
60858	A	1	43	0.95	0.26	1.33
60858	B	0	7	-0.02	0.19	0.9
60858	C	0	3	-0.49	0.42	0.6
60858	D	0	1	-0.91	0	0.33
60859	A	1	46	1.26	0.28	0.9
60859	B	0	5	-0.36	0.29	0.59
60859	C	0	1	-0.99	0	0.27
60859	D	0	1	-0.88	0	0.29

60851	A	1	46	1.06	0.24	1.08
60851	B	0	5	-0.04	0.32	0.85
60851	C	0	2	-0.26	0.39	0.62
60851	D	0	2	-0.63	0.26	0.41
60852	A	1	32	1.46	0.34	0.97
60852	B	0	8	0.52	0.16	1.19
60852	C	0	15	-0.61	0.19	0.44
60852	D	0	0	0	0	0
60853	A	1	48	1.09	0.22	0.77
60853	B	0	2	-1.15	0.45	0.3
60853	C	0	4	-0.66	0.17	0.47
60853	D	0	2	-3.68	2.8	0.19
60854	A	1	38	1.26	0.29	0.8
60854	B	0	6	-0.61	0.35	0.65
60854	C	0	4	-0.34	0.32	0.71
60854	D	0	6	-2.54	1.35	0.46
60855	A	1	46	1.19	0.28	0.88
60855	B	0	3	-0.45	0.45	0.73
60855	C	0	4	-0.81	0.18	0.43
60855	D	0	3	-2.84	2.2	0.55
60856	A	1	32	0.86	0.23	0.88
60856	B	0	12	-0.02	0.31	1.32
60856	C	0	4	-0.35	0.64	0.99
60856	D	0	8	-0.77	0.4	0.55
60857	A	1	35	1.11	0.23	0.97
60857	B	0	4	0.48	0.51	1.4
60857	C	0	10	0.23	0.24	1
60857	D	0	6	-1.18	1.16	0.83
60858	A	1	43	0.95	0.26	1.33
60858	B	0	7	-0.02	0.19	0.9
60858	C	0	3	-0.49	0.42	0.6
60858	D	0	1	-0.91	0	0.33
60859	A	1	46	1.26	0.28	0.9
60859	B	0	5	-0.36	0.29	0.59
60859	C	0	1	-0.99	0	0.27
60859	D	0	1	-0.88	0	0.29

60860	A	1	49	1.06	0.25	1.06
60860	B	0	2	-0.35	0.51	0.62
60860	C	0	0	0	0	0
60860	D	0	3	0.15	0.86	1.8
60861	A	1	23	1.62	0.46	1.21
60861	B	0	15	0.54	0.24	1.36
60861	C	0	10	0.04	0.29	0.79
60861	D	0	8	-0.18	0.27	0.56
60862	A	1	46	0.79	0.18	0.72
60862	B	0	2	-1.36	0.72	0.31
60862	C	0	3	2.66	2.05	13.23
60862	D	0	3	-3.64	1.69	0.1
60863	A	1	47	1.48	0.3	0.77
60863	B	0	3	-0.42	0.39	0.66
60863	C	0	1	-1.65	0	0.17
60863	D	0	3	-3.14	1.92	0.18
60864	A	1	49	1.08	0.23	0.9
60864	B	0	1	-2.41	0	0.08
60864	C	0	5	0.23	0.25	1.12
60864	D	0	1	-6.47	0	0.02
60865	A	1	46	1.02	0.21	0.83
60865	B	0	1	-1.42	0	0.17
60865	C	0	5	0.18	0.72	1.96
60865	D	0	1	-1.32	0	0.18
60866	A	1	41	1.48	0.21	0.82
60866	B	0	3	-0.33	0.46	0.42
60866	C	0	4	0.32	0.6	0.92
60866	D	0	8	0.1	0.19	0.57
60867	A	1	38	0.94	0.15	0.83
60867	B	0	10	-0.2	0.26	0.77
60867	C	0	3	-0.28	0.36	0.61
60867	D	0	5	-0.46	0.6	1.08
60868	A	1	38	1.08	0.26	0.87
60868	B	0	6	-0.08	0.46	0.99
60868	C	0	5	-0.67	0.32	0.47
60868	D	0	6	-0.12	0.21	0.72

60869	A	1	15	1.78	0.47	0.88
60869	B	0	9	0.33	0.27	0.9
60869	C	0	16	0.29	0.24	0.95
60869	D	0	16	-0.14	0.26	0.68
60870	A	1	31	1.51	0.28	0.72
60870	B	0	6	0.05	0.18	0.62
60870	C	0	10	-0.28	0.29	0.62
60870	D	0	10	0.05	0.33	0.97
60871	A	1	39	1.67	0.34	1.06
60871	B	0	1	-0.64	0	0.3
60871	C	0	15	-0.05	0.21	0.72
60871	D	0	1	0.3	0	0.76
60873	A	1	41	1.08	0.24	1.09
60873	B	0	10	0	0.33	1.13
60873	C	0	4	0.24	0.25	0.9
60873	D	0	5	-0.45	1.37	2.23
60874	A	1	20	2.1	0.45	1.13
60874	B	0	10	0.77	0.32	1.35
60874	C	0	17	0.08	0.38	0.84
60874	D	0	8	-0.48	0.35	0.4
60875	A	1	37	1.24	0.27	0.91
60875	B	0	8	0.05	0.23	0.84
60875	C	0	6	-0.32	0.21	0.54
60875	D	0	5	-1.45	1.02	0.56
60876	A	1	32	0.95	0.27	1.04
60876	B	0	6	0.44	0.43	1.91
60876	C	0	6	0	0.21	0.81
60876	D	0	12	-0.48	0.31	0.66
60877	A	1	24	1.09	0.31	0.93
60877	B	0	10	0.9	0.74	4.18
60877	C	0	10	0.11	0.27	0.93
60877	D	0	12	-0.38	0.27	0.58
60878	A	1	26	1.77	0.42	0.97
60878	B	0	5	-0.54	0.22	0.39
60878	C	0	12	0.01	0.21	0.78
60878	D	0	9	-0.37	0.34	0.63

60879	A	1	38	0.73	0.25	0.9
60879	B	0	4	-0.39	0.3	0.72
60879	C	0	6	-0.56	0.33	0.68
60879	D	0	4	-1.36	1.37	1.12
60880	A	1	23	2.09	0.54	1.3
60880	B	0	15	0.52	0.19	1.04
60880	C	0	7	-0.31	0.34	0.53
60880	D	0	10	-0.86	0.62	0.58
60881	A	1	24	1.95	0.48	0.77
60881	B	0	5	-0.4	0.38	0.62
60881	C	0	15	-0.28	0.2	0.68
60881	D	0	14	-0.51	0.27	0.57
60882	A	1	22	1.74	0.47	1.15
60882	B	0	10	0.32	0.24	0.91
60882	C	0	14	0.41	0.28	1.17
60882	D	0	11	-0.01	0.23	0.66
60883	A	1	28	1.3	0.37	1.15
60883	B	0	4	-0.84	0.12	0.29
60883	C	0	8	-0.04	0.19	0.71
60883	D	0	13	0.08	0.34	1.26
60884	A	1	21	2.26	0.51	0.69
60884	B	0	9	0.25	0.28	0.84
60884	C	0	7	-0.31	0.32	0.5
60884	D	0	15	0.12	0.41	0.71
60885	A	1	27	2.51	0.43	0.98
60885	B	0	11	0.32	0.29	0.92
60885	C	0	8	-0.26	0.73	0.88
60885	D	0	14	-0.22	0.17	0.39
60886	A	1	18	2.01	0.45	0.74
60886	B	0	12	0.84	0.27	1.35
60886	C	0	10	-0.26	0.32	0.54
60886	D	0	12	-0.06	0.37	0.88
60887	A	1	54	1.12	0.26	0.91
60887	B	0	0	0	0	0
60887	C	0	3	-1.08	0.24	0.3
60887	D	0	0	0	0	0

60897	A	1	33	1.49	0.24	0.86
60897	B	0	8	-0.06	0.21	0.55
60897	C	0	6	-0.14	0.35	0.58
60897	D	0	8	0.07	0.49	1.43
60898	A	1	44	0.89	0.2	0.95
60898	B	0	4	-0.12	0.68	1.08
60898	C	0	3	-0.48	0.35	0.5
60898	D	0	2	0.18	0.48	0.96
60899	A	1	33	1.24	0.21	1.01
60899	B	0	7	0	0.36	0.75
60899	C	0	6	0.69	0.36	1.37
60899	D	0	10	-0.25	0.38	0.59
60900	A	1	28	1.38	0.24	0.76
60900	B	0	7	-0.09	0.25	0.67
60900	C	0	7	-1.58	0.89	0.27
60900	D	0	13	0.02	0.23	0.81
60901	A	1	50	1.09	0.19	0.94
60901	B	0	8	0.3	0.32	1.35
60901	C	0	6	-0.81	0.53	0.7
60901	D	0	1	-2.51	0	0.06
60902	A	1	28	1.13	0.35	1.05
60902	B	0	3	0.61	0.79	2.15
60902	C	0	8	-0.16	0.38	1.01
60902	D	0	12	-1	0.63	0.64
60903	A	1	37	1.07	0.22	1.22
60903	B	0	18	0.82	0.24	1.75
60903	C	0	6	-0.42	0.33	0.47
60903	D	0	5	-0.52	0.38	0.44
60904	A	1	19	0.89	0.33	1.17
60904	B	0	12	0.18	0.28	1.27
60904	C	0	11	-0.2	0.19	0.72
60904	D	0	13	-0.93	0.56	0.74
60905	A	1	25	1.32	0.33	1.14
60905	B	0	17	0.18	0.25	1.2
60905	C	0	5	0.36	0.67	1.69
60905	D	0	7	-0.9	0.56	0.46

60897	A	1	33	1.49	0.24	0.86
60897	B	0	8	-0.06	0.21	0.55
60897	C	0	6	-0.14	0.35	0.58
60897	D	0	8	0.07	0.49	1.43
60898	A	1	44	0.89	0.2	0.95
60898	B	0	4	-0.12	0.68	1.08
60898	C	0	3	-0.48	0.35	0.5
60898	D	0	2	0.18	0.48	0.96
60899	A	1	33	1.24	0.21	1.01
60899	B	0	7	0	0.36	0.75
60899	C	0	6	0.69	0.36	1.37
60899	D	0	10	-0.25	0.38	0.59
60900	A	1	28	1.38	0.24	0.76
60900	B	0	7	-0.09	0.25	0.67
60900	C	0	7	-1.58	0.89	0.27
60900	D	0	13	0.02	0.23	0.81
60901	A	1	50	1.09	0.19	0.94
60901	B	0	8	0.3	0.32	1.35
60901	C	0	6	-0.81	0.53	0.7
60901	D	0	1	-2.51	0	0.06
60902	A	1	28	1.13	0.35	1.05
60902	B	0	3	0.61	0.79	2.15
60902	C	0	8	-0.16	0.38	1.01
60902	D	0	12	-1	0.63	0.64
60903	A	1	37	1.07	0.22	1.22
60903	B	0	18	0.82	0.24	1.75
60903	C	0	6	-0.42	0.33	0.47
60903	D	0	5	-0.52	0.38	0.44
60904	A	1	19	0.89	0.33	1.17
60904	B	0	12	0.18	0.28	1.27
60904	C	0	11	-0.2	0.19	0.72
60904	D	0	13	-0.93	0.56	0.74
60905	A	1	25	1.32	0.33	1.14
60905	B	0	17	0.18	0.25	1.2
60905	C	0	5	0.36	0.67	1.69
60905	D	0	7	-0.9	0.56	0.46

60906	A	1	20	1.12	0.43	1.18
60906	B	0	23	0.33	0.16	1.16
60906	C	0	5	-0.57	0.36	0.5
60906	D	0	9	-0.44	0.23	0.53
60907	A	1	11	2.79	0.85	1
60907	B	0	23	0.43	0.34	1.08
60907	C	0	17	0.59	0.24	0.95
60907	D	0	5	-0.22	0.55	0.49
60908	A	1	23	1.47	0.34	1.07
60908	B	0	15	0.32	0.3	1.35
60908	C	0	11	0.28	0.26	0.99
60908	D	0	5	-0.64	0.27	0.31
60909	A	1	25	1.87	0.44	0.91
60909	B	0	9	-0.5	0.27	0.48
60909	C	0	8	-0.47	0.19	0.44
60909	D	0	11	0.1	0.25	0.92
60910	A	1	19	1.94	0.58	1.38
60910	B	0	14	0.55	0.24	0.97
60910	C	0	4	0.91	0.72	1.61
60910	D	0	20	0.49	0.27	1.17
60911	A	1	16	1.55	0.45	1.47
60911	B	0	9	-0.15	0.39	0.59
60911	C	0	21	0.54	0.21	1.19
60911	D	0	9	-0.14	0.41	0.69
60912	A	1	19	0.74	0.22	1.32
60912	B	0	14	-0.28	0.27	0.62
60912	C	0	11	0.64	0.33	1.79
60912	D	0	12	0.03	0.7	2
60913	A	1	19	1.25	0.51	1.45
60913	B	0	22	0.45	0.21	1.3
60913	C	0	4	-0.26	0.42	0.58
60913	D	0	9	0.05	0.26	0.75
60914	A	1	11	1.18	0.37	1.31
60914	B	0	15	0.57	0.46	1.37
60914	C	0	6	0.19	0.4	0.79
60914	D	0	23	0.23	0.19	0.87

60915	A	1	10	0.5	0.21	1.43
60915	B	0	34	0.77	0.23	1.94
60915	C	0	1	0.76	0	1.1
60915	D	0	8	-0.75	0.24	0.3
60916	A	1	50	1.11	0.25	0.93
60916	B	0	2	0.29	0.92	1.57
60916	C	0	4	-0.9	0.48	0.47
60916	D	0	1	-0.53	0	0.47
60917	A	1	45	1.13	0.26	0.86
60917	B	0	4	-0.53	0.19	0.51
60917	C	0	1	-0.82	0	0.36
60917	D	0	3	-1.67	0.62	0.23
60918	A	1	33	0.75	0.3	1.02
60918	B	0	6	-0.43	0.29	0.63
60918	C	0	13	-0.09	0.22	0.95
60918	D	0	4	0.1	0.74	1.48
60919	A	1	46	0.58	0.14	0.91
60919	B	0	5	-0.37	0.38	0.85
60919	C	0	2	-0.23	0.95	1.08
60919	D	0	3	-1.1	0.65	0.43
60920	A	1	35	1.09	0.29	1.08
60920	B	0	7	-0.61	0.3	0.54
60920	C	0	3	0.19	0.21	0.99
60920	D	0	8	-1.43	1.01	1.04
60921	A	1	18	0.83	0.47	1.98
60921	B	0	5	0.29	0.24	0.8
60921	C	0	24	0.51	0.23	1.63
60921	D	0	8	0.1	0.36	0.89
60922	A	1	21	0.99	0.26	1.4
60922	B	0	6	-0.04	0.46	1.04
60922	C	0	14	0.5	0.25	1.35
60922	D	0	14	-0.45	0.39	0.72
60923	A	1	43	0.97	0.19	1.02
60923	B	0	2	0.72	0.1	1.21
60923	C	0	5	-0.24	0.57	0.84
60923	D	0	5	0.57	0.37	1.35

60924	A	1	19	1.62	0.48	1.37
60924	B	0	12	0.36	0.28	0.96
60924	C	0	9	0.01	0.39	0.79
60924	D	0	15	0.39	0.31	1.32
60925	A	1	15	1.9	0.54	1.18
60925	B	0	16	0.15	0.23	0.71
60925	C	0	12	0.74	0.33	1.41
60925	D	0	11	0.13	0.14	0.53
60926	A	1	30	0.97	0.27	1.16
60926	B	0	9	0.88	0.35	2
60926	C	0	11	0.37	0.19	0.97
60926	D	0	5	-1.33	1.41	0.79
60927	A	1	21	1.57	0.45	1.3
60927	B	0	20	0.49	0.25	1.5
60927	C	0	6	0.08	0.09	0.54
60927	D	0	9	-0.23	0.34	0.55
60928	A	1	16	1.59	0.6	1.58
60928	B	0	17	0.68	0.24	1.24
60928	C	0	13	0.42	0.3	1.12
60928	D	0	7	0.21	0.34	0.7
60929	A	1	17	2.28	0.58	1.05
60929	B	0	16	0.94	0.48	1.32
60929	C	0	11	0.68	0.29	0.86
60929	D	0	14	0.59	0.32	1.1
60930	A	1	25	1.71	0.37	1.06
60930	B	0	6	0.44	0.48	1.31
60930	C	0	16	-0.08	0.23	0.72
60930	D	0	7	0.23	0.48	1.09
60931	A	1	42	0.91	0.2	0.82
60931	B	0	9	-0.48	0.3	0.76
60931	C	0	4	-0.13	0.54	1.07
60931	D	0	1	-6.55	0	0.03
60932	A	1	41	1.04	0.24	0.94
60932	B	0	3	-0.94	0.35	0.31
60932	C	0	6	0.07	0.3	0.95
60932	D	0	3	0.2	0.68	1.29

60933	A	1	20	1.19	0.39	1.22
60933	B	0	10	-0.28	0.34	0.74
60933	C	0	19	0.45	0.17	1.14
60933	D	0	5	-0.34	0.19	0.44
60934	A	1	23	1.83	0.39	0.88
60934	B	0	15	0.05	0.26	0.81
60934	C	0	9	0.29	0.2	0.74
60934	D	0	10	-0.13	0.23	0.53
60935	A	1	38	1.01	0.28	1.03
60935	B	0	9	-0.64	0.3	0.63
60935	C	0	3	-0.86	0.23	0.39
60935	D	0	5	-0.22	0.85	1.51
60936	A	1	30	1.18	0.25	0.68
60936	B	0	10	-0.47	0.2	0.53
60936	C	0	7	0.2	0.31	1.09
60936	D	0	8	-1.2	0.85	0.52
60937	A	1	36	1.27	0.27	0.92
60937	B	0	13	-0.46	0.61	1.04
60937	C	0	6	-0.26	0.34	0.66
60937	D	0	3	-0.36	0.17	0.46
60938	A	1	32	0.76	0.18	1.13
60938	B	0	8	0.36	0.27	1.27
60938	C	0	14	-0.12	0.25	0.98
60938	D	0	3	-1.04	1.21	0.56
60939	A	1	50	0.88	0.21	0.96
60939	B	0	4	0.35	0.71	1.89
60939	C	0	7	-0.27	0.23	0.7
60939	D	0	2	-1.55	1.9	0.56
60940	A	1	23	1.13	0.37	0.9
60940	B	0	21	-0.13	0.15	0.72
60940	C	0	15	0.36	0.25	1.32
60940	D	0	3	-1.32	0.92	0.33
60941	A	1	32	1.2	0.31	1.95
60941	B	0	20	0.88	0.2	1.78
60941	C	0	2	-0.59	0.14	0.27
60941	D	0	4	-2.63	1.65	0.25

60942	A	1	33	1.1	0.24	0.89
60942	B	0	8	-0.32	0.28	0.73
60942	C	0	6	-0.12	0.23	0.74
60942	D	0	5	-1.26	0.84	0.55
60943	A	1	25	1.29	0.3	1.11
60943	B	0	12	0.49	0.25	1.1
60943	C	0	13	0.56	0.18	1.06
60943	D	0	6	-0.67	0.58	0.39
60944	A	1	41	1.24	0.25	0.91
60944	B	0	6	-0.39	0.3	0.5
60944	C	0	6	0.42	0.28	1.16
60944	D	0	3	-0.91	1.29	0.63
60945	A	1	26	1.02	0.17	0.7
60945	B	0	18	-0.04	0.19	0.87
60945	C	0	5	0.01	0.48	1.04
60945	D	0	9	-1.68	0.74	0.34
60946	A	1	36	0.9	0.24	0.88
60946	B	0	8	-0.39	0.25	0.7
60946	C	0	7	-0.31	0.15	0.67
60946	D	0	3	-1.78	1.33	0.6
60947	A	1	36	1.16	0.21	0.97
60947	B	0	11	-0.19	0.23	0.73
60947	C	0	5	-0.28	0.8	0.86
60947	D	0	3	-0.93	0.25	0.27
60948	A	1	19	0.92	0.22	1.22
60948	B	0	10	0.11	0.2	0.7
60948	C	0	12	0.65	0.26	1.48
60948	D	0	15	0.18	0.25	0.9
60949	A	1	10	1.94	0.94	8.67
60949	B	0	10	1.07	0.19	1.14
60949	C	0	40	0.45	0.16	0.91
60949	D	0	3	0.9	0.61	1.24
60950	A	1	10	2.69	0.82	1.68
60950	B	0	18	0.51	0.2	0.76
60950	C	0	15	0.45	0.34	0.99
60950	D	0	14	0.4	0.16	0.58

60951	A	1	26	1.11	0.31	1.21
60951	B	0	4	1.2	0.51	2.45
60951	C	0	13	0.61	0.23	1.47
60951	D	0	12	-0.67	0.23	0.4
60952	A	1	33	1.11	0.24	0.87
60952	B	0	13	-0.05	0.27	1.03
60952	C	0	4	-0.34	0.11	0.49
60952	D	0	4	-0.87	0.95	0.66
60953	A	1	14	1.46	0.57	2.02
60953	B	0	22	0.2	0.21	0.76
60953	C	0	13	0.99	0.27	1.6
60953	D	0	7	0.37	0.28	0.71
60954	A	1	19	2.65	0.6	0.6
60954	B	0	20	-0.02	0.24	0.94
60954	C	0	6	-0.28	0.33	0.52
60954	D	0	6	-1.21	0.82	0.46
60955	A	1	22	1.5	0.44	1.32
60955	B	0	16	0.3	0.19	0.89
60955	C	0	8	0.17	0.39	1.04
60955	D	0	8	0.01	0.41	0.86
60956	A	1	47	0.81	0.24	0.9
60956	B	0	4	-0.64	0.26	0.55
60956	C	0	1	-0.58	0	0.52
60956	D	0	3	-0.7	0.69	0.73
60957	A	1	44	0.97	0.21	0.88
60957	B	0	6	-0.7	0.23	0.44
60957	C	0	3	-0.28	0.34	0.68
60957	D	0	3	-0.41	0.43	0.64
60958	A	1	29	1.46	0.38	1.01
60958	B	0	3	0.24	0.75	1.3
60958	C	0	16	0.15	0.21	0.96
60958	D	0	5	0.21	1.75	4.51
60959	A	1	44	0.91	0.21	1.07
60959	B	0	6	0.31	0.57	1.58
60959	C	0	3	-0.84	0.63	0.46
60959	D	0	2	0.4	0.48	1.16

60960	A	1	19	1.42	0.21	0.69
60960	B	0	25	0.03	0.17	0.78
60960	C	0	6	-0.73	0.52	0.45
60960	D	0	4	-0.18	0.31	0.53
60961	A	1	27	1.2	0.18	0.85
60961	B	0	4	0.28	0.56	1.07
60961	C	0	8	-0.17	0.28	0.57
60961	D	0	16	0.08	0.31	1.14
60962	A	1	18	1.92	0.5	1.19
60962	B	0	21	0.18	0.23	0.82
60962	C	0	4	-0.2	0.97	0.96
60962	D	0	18	0.26	0.21	0.8
60963	A	1	23	0.87	0.28	1.64
60963	B	0	12	0.46	0.19	1.12
60963	C	0	9	-0.25	0.36	0.75
60963	D	0	15	0.21	0.2	0.9
60964	A	1	31	1.25	0.31	0.96
60964	B	0	6	0.09	0.42	1.15
60964	C	0	3	0.23	0.53	0.96
60964	D	0	15	-0.01	0.19	0.75
60965	A	1	25	1.64	0.38	0.74
60965	B	0	5	-0.86	0.36	0.33
60965	C	0	12	0	0.24	0.83
60965	D	0	12	-0.39	0.29	0.64
60966	A	1	26	1.24	0.31	1.21
60966	B	0	8	0.42	0.37	1.14
60966	C	0	13	0.59	0.25	1.23
60966	D	0	11	0.15	0.12	0.61
60967	A	1	39	1.09	0.23	1.2
60967	B	0	3	0.74	0.52	1.74
60967	C	0	10	-0.34	0.3	0.62
60967	D	0	8	0	0.46	1.01
60968	A	1	49	0.88	0.2	0.88
60968	B	0	2	-2.22	0.16	0.11
60968	C	0	3	-0.55	0.49	0.67
60968	D	0	3	-0.38	0.24	0.68

60969	A	1	35	0.94	0.23	1.01
60969	B	0	6	-0.67	0.47	0.63
60969	C	0	9	0.05	0.26	1.01
60969	D	0	5	-0.28	0.39	0.8
60970	A	1	43	0.81	0.29	0.96
60970	B	0	3	-0.38	0.28	0.76
60970	C	0	3	0.05	0.08	1.09
60970	D	0	4	-1.23	0.47	0.41
60971	A	1	39	0.72	0.23	1.03
60971	B	0	7	0.26	0.49	1.83
60971	C	0	4	-0.18	0.08	0.75
60971	D	0	4	-2.25	1.6	0.43
60972	A	1	28	1.09	0.29	0.95
60972	B	0	8	-0.44	0.48	1.05
60972	C	0	15	0.08	0.15	0.87
60972	D	0	2	-2	1.2	0.18
60973	A	1	40	0.98	0.16	0.93
60973	B	0	7	-0.2	0.26	0.65
60973	C	0	3	-0.08	0.32	0.68
60973	D	0	5	-0.46	0.37	0.6
60974	A	1	43	0.91	0.24	0.91
60974	B	0	2	-0.56	0.19	0.54
60974	C	0	7	-0.49	0.39	0.86
60974	D	0	4	-1.24	0.35	0.31
60975	A	1	49	0.73	0.22	0.94
60975	B	0	1	-0.97	0	0.36
60975	C	0	1	-1.17	0	0.29
60975	D	0	1	-1	0	0.35
60976	A	1	20	1.01	0.41	1.96
60976	B	0	21	-0.01	0.38	1.14
60976	C	0	20	0.05	0.15	0.84
60976	D	0	5	-0.41	0.41	0.57
60977	A	1	25	0.89	0.28	1.17
60977	B	0	24	0.76	0.33	2.18
60977	C	0	4	0.63	0.63	1.52
60977	D	0	3	-0.31	0.78	0.59

60978	A	1	34	1.22	0.24	1.13
60978	B	0	9	0.35	0.25	0.95
60978	C	0	15	0.35	0.21	1.05
60978	D	0	2	-1.82	1.25	0.16
60979	A	1	38	0.81	0.16	0.94
60979	B	0	5	-0.4	0.29	0.57
60979	C	0	11	-0.04	0.28	1.09
60979	D	0	1	-1	0	0.27
60980	A	1	53	0.86	0.27	0.87
60980	B	0	1	-1.39	0	0.28
60980	C	0	5	-1.09	0.49	0.57
60980	D	0	1	-1.26	0	0.32
60981	A	1	50	0.87	0.21	1
60981	B	0	10	-0.22	0.32	0.96
60981	C	0	3	-0.55	0.9	1.06
60981	D	0	1	0.3	0	1.08
60982	A	1	44	0.38	0.18	1.02
60982	B	0	9	0	0.31	1.33
60982	C	0	3	-0.83	0.35	0.46
60982	D	0	3	-0.6	0.11	0.53
60983	A	1	27	1.18	0.27	0.88
60983	B	0	9	-0.04	0.3	0.95
60983	C	0	14	-0.33	0.22	0.68
60983	D	0	3	-1.19	0.5	0.26
60984	A	1	45	0.92	0.24	0.96
60984	B	0	9	-0.33	0.18	0.66
60984	C	0	4	-0.09	0.88	2.59
60984	D	0	2	-1.1	1	0.42
60985	A	1	31	1.99	0.4	0.87
60985	B	0	15	0.31	0.14	0.85
60985	C	0	7	-0.41	0.13	0.38
60985	D	0	6	-0.84	0.44	0.4
60986	A	1	42	1.21	0.28	0.82
60986	B	0	5	-0.3	0.33	0.7
60986	C	0	6	-0.29	0.2	0.63
60986	D	0	3	-1.54	0.64	0.26

60987	A	1	39	1.07	0.29	0.78
60987	B	0	0	0	0	0
60987	C	0	8	-0.1	0.26	0.97
60987	D	0	8	-1.14	0.35	0.42
60988	A	1	33	1.5	0.28	0.89
60988	B	0	4	0.19	0.65	0.93
60988	C	0	9	0.89	0.27	1.49
60988	D	0	12	-0.28	0.23	0.46
60989	A	1	43	1.12	0.24	0.81
60989	B	0	7	-0.14	0.49	1.62
60989	C	0	2	-1.22	0.4	0.25
60989	D	0	3	-1.14	0.49	0.3
60990	A	1	43	1.15	0.23	0.75
60990	B	0	8	-0.61	0.2	0.5
60990	C	0	3	-1.18	0.56	0.34
60990	D	0	2	-0.59	0.42	0.47
60991	A	1	13	1.49	0.59	1.3
60991	B	0	10	0.16	0.25	0.93
60991	C	0	11	-0.06	0.28	0.76
60991	D	0	23	-0.11	0.22	0.85
60992	A	1	42	0.98	0.17	0.72
60992	B	0	5	-0.76	0.21	0.39
60992	C	0	5	-0.15	0.24	0.77
60992	D	0	6	-1.06	0.34	0.35
60993	A	1	46	1.29	0.25	0.85
60993	B	0	5	-0.54	0.46	0.58
60993	C	0	2	0.21	0.29	0.86
60993	D	0	2	-1.02	0.76	0.31
60994	A	1	46	0.69	0.13	0.81
60994	B	0	2	0.04	0.12	0.92
60994	C	0	4	-0.51	0.22	0.56
60994	D	0	4	-2.32	1.63	0.47
60995	A	1	29	1.84	0.38	0.85
60995	B	0	11	0.12	0.28	0.75
60995	C	0	13	0.17	0.39	0.98
60995	D	0	2	-0.05	0.68	0.55

60996	A	1	48	0.38	0.15	0.75
60996	B	0	4	-1	0.12	0.53
60996	C	0	2	-1.12	0.05	0.46
60996	D	0	6	-2.48	0.91	0.28
60997	A	1	48	0.63	0.21	1.57
60997	B	0	2	-0.43	0.41	0.71
60997	C	0	4	-0.86	0.27	0.48
60997	D	0	2	-2.26	0.15	0.11
60998	A	1	37	1.04	0.29	0.75
60998	B	0	2	0.07	0.02	1.05
60998	C	0	5	-2.27	1.18	0.29
60998	D	0	10	-0.72	0.34	0.71
60999	A	1	22	1.23	0.21	0.82
60999	B	0	20	-0.11	0.4	0.86
60999	C	0	6	-0.33	0.33	0.52
60999	D	0	3	-0.47	0.63	0.47
61000	A	1	20	1.3	0.38	0.98
61000	B	0	14	-0.09	0.2	0.83
61000	C	0	5	-0.68	0.22	0.4
61000	D	0	16	-0.77	0.52	0.79
61001	A	1	40	1.44	0.33	0.81
61001	B	0	3	0.65	0.46	1.82
61001	C	0	5	-1.68	1.23	0.67
61001	D	0	3	-1.11	0.73	0.44
61002	A	1	51	1.02	0.22	1.02
61002	B	0	5	-1.72	1.08	0.39
61002	C	0	2	-0.04	0.49	0.95
61002	D	0	4	-1.7	1.62	0.65
61003	A	1	43	0.47	0.2	0.68
61003	B	0	6	-1.6	0.96	0.83
61003	C	0	2	0.01	0.31	1.45
61003	D	0	6	-3.22	1.23	0.43

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 1 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60837	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.79
2	60690	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.88
3	60098	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.63
4	60994	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.39
5	60991	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.78
6	60981	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.05
7	60685	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.87
8	60091	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.28
9	60804	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.14
10	60809	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.32
11	60670	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.46
12	60695	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.64
13	60082	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.80
14	60360	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.91
15	60389	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.31
16	60657	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.18

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 2 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60061	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.13
2	60997	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.80
3	60956	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.69
4	60821	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.36
5	60810	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.43
6	60957	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.06
7	60369	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94
8	60815	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.24
9	60095	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.14
10	60516	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.29
11	60079	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.43
12	60965	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.61
13	60525	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.83
14	60064	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.95
15	60090	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	1.05
16	60654	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.19

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 3 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60980	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-2.16
2	60517	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.84
3	60378	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.63
4	60672	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.33
5	60381	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.56
6	60515	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.03
7	60096	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.84
8	60394	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.39
9	60537	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.19
10	60533	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.38
11	60372	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.41
12	60841	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.53
13	60085	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.76
14	60845	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.90
15	60960	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.20
16	60396	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.29

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 4 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60847	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.70
2	60390	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.76
3	60822	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.59
4	60387	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.34
5	60660	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.65
6	60088	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.05
7	60990	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.96
8	60070	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.22
9	60519	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.12
10	60541	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.32
11	60545	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.44
12	60383	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.54
13	60827	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.85
14	60817	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.92
15	60681	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.29
16	60505	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.20

Table 3

Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 5 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60354	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.06
2	60092	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.79
3	60089	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.67
4	60097	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.31
5	60502	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.58
6	60069	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.06
7	60051	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.93
8	60503	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.33
9	60054	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.03
10	60958	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.35
11	60351	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.44
12	60083	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.61
13	60801	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.79
14	61000	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.90
15	60655	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.01
16	60398	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.27

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations–Connecting Ratio and Rate to Multiplication and Division Form 6 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60392	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.27
2	60508	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.87
3	60357	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.59
4	60673	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.30
5	60652	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.38
6	60959	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.04
7	60984	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.90
8	60075	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.24
9	60531	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.18
10	60072	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.29
11	60656	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.41
12	60951	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.67
13	60521	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.85
14	60539	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.95
15	60371	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.11
16	60993	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.23

Table 3

Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 7 (Mean Measure = -0.28)

Order for Test	Item	Focal Point	Domain	Measure
1	60698	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.98
2	60400	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.83
3	60547	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.66
4	60513	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.33
5	60078	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.35
6	60532	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.05
7	60062	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94
8	60830	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.33
9	60669	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.16
10	60978	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.38
11	60359	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.44
12	60818	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.60
13	60653	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.87
14	60527	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.90
15	60954	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.20
16	60550	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.27

Table 3

Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 8 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60806	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.10
2	60087	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.73
3	60093	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.61
4	60833	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.46
5	60811	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.38
6	60060	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.07
7	60694	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.88
8	60661	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.22
9	60086	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.11
10	60691	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.28
11	60668	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.48
12	60538	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.56
13	60352	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.81
14	60963	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.00
15	60955	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.04
16	60679	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.17

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 9 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60392	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.24
2	60692	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.82
3	60380	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.51
4	60368	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.45
5	60077	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.44
6	60989	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.03
7	60667	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.87
8	60074	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.32
9	60805	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.10
10	60076	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.34
11	60056	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.42
12	60676	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.55
13	60977	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.87
14	60361	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.98
15	60084	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.13
16	60825	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.19

Table 3
Sixth Grade Progress Monitoring Measure: Number and Operations-Connecting Ratio and Rate to Multiplication and Division Form 10 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60356	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.42
2	60363	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.79
3	60514	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.52
4	60680	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.38
5	60962	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.72
6	60549	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.04
7	60529	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.96
8	60969	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.29
9	60523	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.09
10	60813	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.30
11	60651	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.43
12	60388	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.54
13	60802	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.81
14	60375	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.94
15	60828	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.23
16	60504	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.24

Table 3

Sixth Grade Benchmark Measure: Number and Operations-Connecting ratio and rate to multiplication and division Form 1 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60540	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.43
2	60393	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.87
3	60542	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.65
4	60063	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.42
5	60814	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.39
6	60367	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.06
7	60065	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.94
8	60382	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.21
9	60535	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.11
10	60689	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.39
11	60988	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.49
12	60961	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.66
13	60803	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.85
14	60966	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.93
15	60682	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.31
16	60693	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.23

Table 3

Sixth Grade Benchmark Measure: Number and Operations-Connecting ratio and rate to multiplication and division Form 2 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60358	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-2.63
2	60996	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.74
3	60848	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.59
4	60697	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.46
5	60829	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.42
6	60982	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-1.02
7	60386	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-0.89
8	60666	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-0.21
9	60849	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.15
10	60983	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.32
11	60376	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.48
12	60995	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.66
13	60999	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.87
14	60377	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.98
15	60057	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.18
16	60067	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.23

Table 3
Sixth Grade Benchmark Measure: Number and Operations-Connecting ratio and rate to multiplication and division Form 3 (Mean Measure = -0.29)

Order for Test	Item	Focal Point	Domain	Measure
1	60850	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-2.22
2	60968	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.75
3	60838	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.55
4	60546	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	-1.31
5	60807	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.23
6	60662	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	-1.00
7	60831	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.99
8	60678	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	-0.20
9	60816	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.02
10	60353	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.39
11	60842	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.48
12	60395	Number and Operations: Connecting ratio and rate to multiplication and division	Solve a variety of problems involving ratios and rate.	0.61
13	60366	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	0.89
14	60080	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	0.91
15	60511	Number and Operations: Connecting ratio and rate to multiplication and division	Develop and apply the meaning of ratios, rate and percent.	1.05
16	60976	Number and Operations: Connecting ratio and rate to multiplication and division	Determine simple probabilities, both experimental and theoretical.	1.32

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 1 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60860	Algebra	Develop the meanings and uses of variables.	-2.04
2	60596	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.74
3	60424	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.44
4	60898	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.26
5	60869	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.76
6	60294	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.80
7	60288	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.61
8	60257	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.39
9	60567	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.22
10	60439	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.05
11	60285	Algebra	Identify and represent equivalent expressions.	0.24
12	60576	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.52
13	60750	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.60
14	60892	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.96
15	60563	Algebra	Develop the meanings and uses of variables.	1.26
16	60404	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.07

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 2 (Mean Measure = -0.28)

Order for Test	Item	Focal Point	Domain	Measure
1	60427	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-2.61
2	60598	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.69
3	60437	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.44
4	60590	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.24
5	60734	Algebra	Identify and represent equivalent expressions.	1.67
6	60265	Algebra	Develop the meanings and uses of variables.	-0.82
7	60426	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.57
8	60281	Algebra	Identify and represent equivalent expressions.	-0.36
9	60266	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.13
10	60876	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.03
11	60282	Algebra	Identify and represent equivalent expressions.	0.18
12	60280	Algebra	Identify and represent equivalent expressions.	0.42
13	60582	Algebra	Identify and represent equivalent expressions.	0.68
14	60557	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.99
15	60874	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	1.48
16	60447	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.05

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 3 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60896	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-2.08
2	60864	Algebra	Develop the meanings and uses of variables.	-1.74
3	60403	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.44
4	60731	Algebra	Identify and represent equivalent expressions.	-1.21
5	60283	Algebra	Identify and represent equivalent expressions.	1.99
6	60415	Algebra	Develop the meanings and uses of variables.	-0.81
7	60261	Algebra	Develop the meanings and uses of variables.	-0.68
8	60420	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.38
9	60593	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.26
10	60857	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.05
11	60284	Algebra	Identify and represent equivalent expressions.	0.13
12	60264	Algebra	Develop the meanings and uses of variables.	0.40
13	60555	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.61
14	60432	Algebra	Identify and represent equivalent expressions.	0.86
15	60269	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.35
16	60599	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.08

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 4 (Mean Measure = -0.28)

Order for Test	Item	Focal Point	Domain	Measure
1	60591	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.36
2	60863	Algebra	Develop the meanings and uses of variables.	-1.78
3	60253	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.44
4	60702	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.26
5	60886	Algebra	Identify and represent equivalent expressions.	1.51
6	60747	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.81
7	60573	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.68
8	60748	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.38
9	60564	Algebra	Develop the meanings and uses of variables.	-0.26
10	60262	Algebra	Develop the meanings and uses of variables.	-0.05
11	60445	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.13
12	60878	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.40
13	60877	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.61
14	60736	Algebra	Identify and represent equivalent expressions.	0.86
15	60733	Algebra	Identify and represent equivalent expressions.	1.35
16	60710	Algebra	Develop the meanings and uses of variables.	-1.04

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 5 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60410	Algebra	Develop the meanings and uses of variables.	-2.15
2	60271	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.74
3	60855	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.45
4	60263	Algebra	Develop the meanings and uses of variables.	-1.32
5	60568	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.82
6	60889	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.87
7	60290	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.61
8	60258	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.42
9	60450	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.26
10	60737	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.00
11	60897	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.26
12	60713	Algebra	Develop the meanings and uses of variables.	0.53
13	60272	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.61
14	60252	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.96
15	60579	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	1.43
16	60299	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.04

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 6 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60287	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.65
2	60891	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.80
3	60565	Algebra	Develop the meanings and uses of variables.	-1.44
4	60413	Algebra	Develop the meanings and uses of variables.	-1.21
5	60585	Algebra	Identify and represent equivalent expressions.	2.20
6	60600	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.88
7	60581	Algebra	Identify and represent equivalent expressions.	-0.57
8	60746	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.33
9	60743	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.13
10	60856	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.05
11	60744	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.20
12	60870	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.42
13	60726	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.77
14	60729	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.84
15	60256	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.46
16	60443	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.09

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 7 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60706	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-2.55
2	60749	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.79
3	60416	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.45
4	60275	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.33
5	60735	Algebra	Identify and represent equivalent expressions.	2.31
6	60561	Algebra	Develop the meanings and uses of variables.	-0.92
7	60854	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.70
8	60418	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.42
9	60871	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.26
10	60721	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.04
11	60732	Algebra	Identify and represent equivalent expressions.	0.28
12	60728	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.56
13	60435	Algebra	Identify and represent equivalent expressions.	0.75
14	60861	Algebra	Develop the meanings and uses of variables.	1.02
15	60705	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.16
16	60291	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.01

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 8 (Mean Measure = -0.28)

Order for Test	Item	Focal Point	Domain	Measure
1	60277	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-2.01
2	60577	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.75
3	60588	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-1.45
4	60574	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.26
5	60551	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.56
6	60704	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.80
7	60405	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.63
8	60712	Algebra	Develop the meanings and uses of variables.	-0.30
9	60300	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.13
10	60274	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.05
11	60714	Algebra	Develop the meanings and uses of variables.	0.30
12	60895	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.40
13	60716	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.61
14	60436	Algebra	Identify and represent equivalent expressions.	0.94
15	60434	Algebra	Identify and represent equivalent expressions.	1.18
16	60425	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.02

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 9 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60589	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.76
2	60722	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.81
3	60446	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.45
4	60701	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.36
5	60893	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	2.08
6	60293	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.91
7	60279	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.61
8	60873	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.33
9	60741	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.16
10	60717	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.04
11	60715	Algebra	Develop the meanings and uses of variables.	0.24
12	60570	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.53
13	60881	Algebra	Identify and represent equivalent expressions.	0.73
14	60554	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.08
15	60738	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	1.42
16	60711	Algebra	Develop the meanings and uses of variables.	-1.04

Table 4
Sixth Grade Progress Monitoring Measure: Algebra Form 10 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60587	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-2.06
2	60595	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.80
3	60727	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.45
4	60406	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.20
5	60583	Algebra	Identify and represent equivalent expressions.	1.73
6	60289	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.86
7	60707	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.51
8	60433	Algebra	Identify and represent equivalent expressions.	-0.31
9	60866	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.24
10	60725	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.04
11	60438	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.27
12	60900	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.47
13	60569	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.63
14	60719	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.89
15	60267	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.32
16	60422	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-1.08

Table 4
Sixth Grade Benchmark Measure: Algebra Form 1 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60428	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-2.10
2	60414	Algebra	Develop the meanings and uses of variables.	-1.81
3	60745	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.49
4	60260	Algebra	Develop the meanings and uses of variables.	-1.31
5	60431	Algebra	Identify and represent equivalent expressions.	2.00
6	60259	Algebra	Develop the meanings and uses of variables.	-0.88
7	60449	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.54
8	60273	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.41
9	60875	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.26
10	60872	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.00
11	60852	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.10
12	60558	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.54
13	60254	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.69
14	60880	Algebra	Identify and represent equivalent expressions.	1.02
15	60882	Algebra	Identify and represent equivalent expressions.	1.19
16	60575	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.01

Table 4
Sixth Grade Benchmark Measure: Algebra Form 2 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60411	Algebra	Develop the meanings and uses of variables.	-2.08
2	60423	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-1.89
3	60594	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.47
4	60851	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.34
5	60580	Algebra	Identify and represent equivalent expressions.	1.68
6	60402	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-0.81
7	60409	Algebra	Develop the meanings and uses of variables.	-0.60
8	60572	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.44
9	60740	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	-0.25
10	60251	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.06
11	60883	Algebra	Identify and represent equivalent expressions.	0.30
12	60566	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	0.58
13	60586	Algebra	Identify and represent equivalent expressions.	0.64
14	60884	Algebra	Identify and represent equivalent expressions.	1.11
15	60255	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	1.34
16	60430	Algebra	Identify and represent equivalent expressions.	-1.09

Table 4
Sixth Grade Benchmark Measure: Algebra Form 3 (Mean Measure = -0.27)

Order for Test	Item	Focal Point	Domain	Measure
1	60276	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-2.35
2	60297	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.85
3	60894	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.46
4	60448	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-1.35
5	60720	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	1.91
6	60560	Algebra	Develop the meanings and uses of variables.	-0.92
7	60295	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	-0.58
8	60867	Algebra	Write, evaluate, and use expressions, formulas, and equations to solve problems.	-0.40
9	60578	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	-0.25
10	60441	Algebra	Represent, analyze and determine relationships and patterns using tables, graphs, words and when possible, symbols.	0.06
11	60899	Algebra	Solve one-step equations by using number sense, properties of operations and the idea of maintaining equality on both sides of an equation.	0.30
12	60723	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	0.59
13	60708	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	0.61
14	60885	Algebra	Identify and represent equivalent expressions.	1.10
15	60278	Algebra	Recognize that the solutions of an equation are the values of the variables that make the equation true.	1.31
16	60552	Algebra	Use order of operations to simplify expressions, including exponents and grouping symbols.	-1.01

Table 5
Sixth Grade Progress Monitoring Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 1
(Mean Measure = 0.54)

Order for Test	Item	Focal Point	Domain	Measure
1	60917	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.53
2	60901	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.85
3	60302	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.58
4	60473	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.27
5	60328	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.1
6	60188	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.26
7	60481	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.48
8	60909	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.61
9	60494	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.75
10	60761	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.88
11	60335	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.93
12	60776	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.18
13	60331	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.27
14	60171	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.57
15	60605	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.76
16	60303	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.11

Table 5

Sixth Grade Progress Monitoring Measure: Number and Operations–Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 2
(Mean Measure = 0.55)

Order for Test	Item	Focal Point	Domain	Measure
1	60310	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-1.37
2	60766	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.82
3	60944	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.51
4	60044	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.38
5	60611	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.2
6	60488	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.23
7	60474	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.47
8	60492	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.66
9	60491	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.74
10	60753	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.84
11	60774	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.94
12	60634	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.12
13	60613	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.28
14	60332	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.62
15	60928	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.71
16	60181	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.05

Table 5

Sixth Grade Progress Monitoring Measure: Number and Operations–Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 3
(Mean Measure = 0.55)

Order for Test	Item	Focal Point	Domain	Measure
1	60601	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-1.44
2	60755	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.69
3	60189	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.42
4	60771	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.23
5	60468	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.14
6	60046	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.2
7	60304	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.42
8	60192	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.61
9	60797	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.72
10	60602	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.81
11	60762	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.93
12	60913	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.21
13	60020	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.26
14	60311	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.54
15	60910	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.65
16	60194	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.07

Table 5

Sixth Grade Progress Monitoring Measure: Number and Operations–Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 4
(Mean Measure = 0.54)

Order for Test	Item	Focal Point	Domain	Measure
1	60024	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-1.53
2	60793	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.87
3	60151	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.54
4	60751	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.37
5	60649	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	2.24
6	60451	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.26
7	60321	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.45
8	60941	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.52
9	60030	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.78
10	60004	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.87
11	60464	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.97
12	60312	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.22
13	60948	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.31
14	60466	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	1.46
15	60629	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.73
16	60036	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.09

Table 5
Sixth Grade Progress Monitoring Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 5
(Mean Measure = 0.55)

Order for Test	Item	Focal Point	Domain	Measure
1	60770	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.22
2	60618	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.73
3	60795	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.64
4	60769	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.36
5	60622	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.13
6	60306	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.23
7	60195	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.41
8	60642	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.63
9	60180	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.76
10	60606	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.89
11	60176	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.92
12	60626	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.15
13	60323	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.33
14	60159	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.47
15	60798	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.76
16	60173	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.06

Table 5

Sixth Grade Progress Monitoring Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 6
(Mean Measure = 0.54)

Order for Test	Item	Focal Point	Domain	Measure
1	60789	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-1.42
2	60001	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.76
3	60469	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.47
4	60647	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.34
5	60914	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.12
6	60031	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.2
7	60498	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.45
8	60324	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.61
9	60308	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.75
10	60012	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.88
11	60940	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.93
12	60478	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.13
13	60603	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.24
14	60164	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.59
15	60163	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.69
16	60787	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.01

Table 5

Sixth Grade Progress Monitoring Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 7
(Mean Measure = 0.54)

Order for Test	Item	Focal Point	Domain	Measure
1	60919	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.44
2	60931	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.89
3	60619	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.63
4	60645	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.25
5	60485	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	2.22
6	60032	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.24
7	60456	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.51
8	60337	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.67
9	60499	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.74
10	60343	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.84
11	60943	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.94
12	60757	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.11
13	60490	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.31
14	60153	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.49
15	60783	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.7
16	60637	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.07

Table 5

Sixth Grade Progress Monitoring Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 8
(Mean Measure = 0.56)

Order for Test	Item	Focal Point	Domain	Measure
1	60017	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.17
2	60764	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.88
3	60458	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.47
4	60315	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-0.34
5	60022	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	2.24
6	60198	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.34
7	60010	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.39
8	60945	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.55
9	60496	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.76
10	60624	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.8
11	60904	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.93
12	60765	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.15
13	60912	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.24
14	60007	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.63
15	60911	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.71
16	60902	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.09

Table 5
Sixth Grade Progress Monitoring Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 9
(Mean Measure = 0.54)

Order for Test	Item	Focal Point	Domain	Measure
1	60760	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	-1.65
2	60025	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.95
3	60169	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.61
4	60480	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.22
5	60029	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.14
6	60039	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.35
7	60199	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.44
8	60014	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.56
9	60608	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.75
10	60316	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.8
11	60049	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.95
12	60784	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.18
13	60339	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.37
14	60158	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	1.63
15	60028	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.79
16	60002	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.08

Table 5
Sixth Grade Progress Monitoring Measure: Number and Operations–Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 10
(Mean Measure = 0.55)

Order for Test	Item	Focal Point	Domain	Measure
1	60034	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-1.23
2	60623	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.96
3	60946	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.54
4	60346	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.33
5	60156	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	2.29
6	60301	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.3
7	60788	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.4
8	60008	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.68
9	60452	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.72
10	60790	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.85
11	60317	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	0.94
12	60461	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.13
13	60800	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.38
14	60924	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.45
15	60475	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.65
16	60200	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.05

Table 5
Sixth Grade Benchmark Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 1 (Mean Measure = 0.55)

Order for Test	Item	Focal Point	Domain	Measure
1	60340	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-1.2
2	60923	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	-0.75
3	60756	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.65
4	60342	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.22
5	60929	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	2.1
6	60326	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.2
7	60778	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.45
8	60609	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.64
9	60905	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.72
10	60483	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.83
11	60013	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.93
12	60500	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.18
13	60927	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.22
14	60185	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.51
15	60493	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.83
16	60186	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.02

Table 5
Sixth Grade Benchmark Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 2 (Mean Measure = 0.56)

Order for Test	Item	Focal Point	Domain	Measure
1	60333	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-1.17
2	60003	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	-0.8
3	60920	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.43
4	60019	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-0.32
5	60042	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	2.2
6	60336	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.29
7	60926	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.39
8	60638	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	0.54
9	60465	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.74
10	60011	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.89
11	60334	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.92
12	60650	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	1.11
13	60625	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.24
14	60161	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.45
15	60925	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.81
16	60463	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.09

Table 5
Sixth Grade Benchmark Measure: Number and Operations-Developing an Understanding of and Fluency with Multiplication and Division of Fractions and Decimals Form 3 (Mean Measure = 0.55)

Order for Test	Item	Focal Point	Domain	Measure
1	60768	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Apply the commutative, associative and identity properties of addition and multiplication and the distributive property to simplify calculations.	-1.41
2	60932	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	-0.86
3	60050	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	-0.55
4	60942	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	-0.25
5	60915	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	2.12
6	60786	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.31
7	60196	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.41
8	60495	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop and use strategies to estimate the result of decimal and fraction computations & judge the reasonableness of results.	0.56
9	60330	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	0.75
10	60175	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	0.88
11	60604	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide decimals, including powers of 10.	0.93
12	60782	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the relationship between decimals and fractions to solve problems, including measurement.	1.21
13	60190	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Order, model, and compare fraction and decimals.	1.35
14	60777	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Develop, analyze, and apply strategies and procedures to multiply and divide fractions, including mixed numbers.	1.61
15	60314	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	1.73
16	60915	Number and Operations: Developing an understanding of and fluency with multiplication and division of fractions and decimals.	Use the inverse relationship between multiplication and division to make sense of procedures for multiplying and dividing fractions and explain why they work.	0.07

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