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Abstract

This technical report describes the development and piloting of progress monitoring measures in the areas of Word Reading and Passage Reading. Measures were created for grades K through 4. Both measures were designed to target the fluency component of a developmental model of reading. Twenty alternate forms were created for each measure. For the Word Reading measure, alternate forms were created through the development of a word bank arranged by word difficulty. A Rasch analysis was used to estimate the difficulty of each individual word. For the Passage Reading measure, passages were written according to word count and grade level guidelines and reviewed by the lead author as well as an experienced teacher. Correlations and mean differences were used to obtain information on the relative difficulty of each passage. Data on word difficulty were used to create four difficulty bands, which guided the development of alternate forms. Data on passage difficulty were used to bring the passages into closer alignment. These analyses resulted in the development of 20 alternate forms of each measure at each of the target grade levels.

Introduction

In this technical report, we describe the development alternate forms of Word and Passage Reading Fluency measures as part of a comprehensive progress monitoring literacy assessment system developed in 2006 for use with students in Kindergarten through fourth grade. We begin with a brief overview of the two conceptual frameworks underlying the assessment system: progress monitoring and developmental theories of reading. We then provide context for how the Word Reading measures fit into the full assessment system. Additional technical reports provide similar information about measures of Early Literacy such as Letter Names, Letter Sounds, and Phoneme Segmenting (Alonzo & Tindal, 2007) and Reading Comprehension (Alonzo, Liu, & Tindal, 2007).

Conceptual Framework: Progress Monitoring and Literacy Assessment

Early work related to curriculum-based measurement (CBM) led by Deno and Mirkin at the University of Minnesota (*c.f.a.*, Deno & Mirkin, 1977) was instrumental in promoting the use of short, easily-administered assessments to provide educators with information about student skill development useful for instructional planning. In the three decades since, such *progress monitoring probes* as they have come to be called have increased in popularity, and they are now a regular part of many schools' educational programs (Alonzo, Ketterlin-Geller, & Tindal, 2007). However, CBMs – even those widely used across the United States – often lack the psychometric properties expected of modern technically-adequate assessments. Although the precision of instrument development has advanced tremendously in the past 30 years with the advent of more sophisticated statistical techniques for analyzing tests on an item by item basis rather than relying exclusively on comparisons of means and standard deviations to evaluate comparability of alternate forms, the world of CBMs has not always kept pace with these statistical advances.

A key feature of assessments designed for progress monitoring is that alternate forms must be as equivalent as possible to allow meaningful interpretation of student performance data across time. Without such cross-form equivalence, changes in scores from one testing session to the next are difficult to attribute to changes in student skill or knowledge. Improvements in student scores may, in fact, be an artifact of the second form of the assessment being easier than the form that was administered first. The advent of more sophisticated data analysis techniques (such as the Rasch modeling used in this study) have made it possible to increase the precision with which we develop and evaluate the quality of assessment tools. In this technical report, we document the development of a progress monitoring assessment in reading, designed for use with students in Kindergarten through Grade 4. This assessment system was developed to be used by elementary school educators interested in monitoring the progress their students make in the area of early reading skill acquisition.

Reading is a somewhat fluid construct, shifting over time from a focus on discrete skills necessary for working with language in both written and spoken forms, to those more complex combinations of skills associated with decoding, and finally to comprehension—a construct in which all prior literacy skills are called upon in the act of reading. Reading assessment typically follows this general progression as well (Reading First, 2006). Assessments of emerging literacy skills evaluate student mastery of the alphabetic principal. These tests measure students' ability to correctly identify and/or produce letters and the sounds associated with them. They measure students' ability to manipulate individual phonemes (sound units) within words, when, for example, students are asked to blend a list of phonemes into a word, segment a word into its corresponding phonemes, or identify the sounds which begin or end a word (Ritchey & Speece, 2006). The relationships between these constructs in English are well-documented in the

research literature. In early readers, ability to identify letter names and the sounds that letters make predicts phonemic awareness. Phonemic awareness predicts fluency, and low fluency is a strong predictor of difficulties in reading (National Reading Panel, 2000).

As student reading skill progresses, it is necessary to use different reading measures to be able to continue to track the progress students are making as developing readers. Oral reading fluency, which measures a combination of students' sight vocabulary and their ability to decode novel words rapidly and accurately, is consistently identified in the literature as one of the best predictors of student reading comprehension in the early grades (Graves, Plasencia-Peinado, Deno, & Johnson, 2005; Hasbrouck & Tindal, 2005). Eventually, however, the information provided by measures of oral reading fluency is limited. Readers attain a fluency threshold that enables them to attend to comprehension rather than decoding (Ehri, 1991, 2005). Once this threshold has been reached, fluency is no longer sensitive to increases in reading comprehension. At this point, one must turn to measures designed to assess comprehension more directly. Although this technical report provides information specifically related to the Word and Passage Reading Fluency measures developed for use in our Progress Monitoring assessment system, it is important to provide an overview of the complete system so readers can understand how the fluency measures fit into the system as a whole.

The Measures that Comprise Our Complete Assessment System

Based on previous empirical studies of early literacy assessment (see, for example, the report from the National Reading Panel, 2000), we decided to develop two measures of alphabetic principle (Letter Names and Letter Sounds), one measure of Phonological Awareness (Phoneme Segmenting), two measures of fluency (Word Reading Fluency and Passage Reading Fluency), and one measure of comprehension (Multiple Choice Reading Comprehension). The

specific technical specifications for the Word and Passage Reading Fluency measure are described in the methods section of this technical report. First, we describe the specific requirements related to the intended use of the measures in our assessment system.

When one is interested in monitoring the progress students are making in attaining specific skills, it is important to have sufficient measures to sample student performance frequently. Thus, our goal was to create 20 alternate forms of each measure in our assessment system at each grade level where the measure was designed to be used (see Table 1). Because these alternate forms are designed to be used for progress monitoring, it is essential that all forms of a particular measure in a given grade level be both sensitive to showing growth in a discrete skill area over short periods of time (1-2 weeks of instruction) and comparable in difficulty. These two equally important needs informed all parts of our measurement development effort: the construction of the technical specifications for each of the measures, the design of the studies used to gather data on item and test functioning, the analytic approaches we used to interpret the results of the pilot studies, and subsequent revision of the measures. In all cases, we sought approaches that would provide us with enough information to evaluate the *sensitivity of the individual measures* to detect small differences in student performance and the *comparability of the different forms* of each measure to allow for meaningful interpretation of growth over time.

Table 1

Distribution of the Measures Across the Grades

	Measure					
Grade	Letter Names	Letter Sounds	Phoneme Segmenting	Word Reading Fluency	Passage Reading Fluency	MC Reading Comp
Kindergarten	\mathbf{X}^*	X	X	X		
Grade 1	X	X	X	X	X	
Grade 2			X	X	X	
Grade 3				X	X	X
Grade 4					X	X

^{*}Note: Each "X" represents 20 alternate forms of the measure for that grade level.

In the section that follows, we describe the piloting methods used to gather information on the relative difficulty of different words, allowing us to create an item bank from which we could draw to construct 20 comparable alternate forms per grade level of a test of Word Reading Fluency for use in a progress monitoring assessment system. Because the Passage Reading Fluency measures could not be analyzed using the same IRT approach (each passage acts as a single 'item' and cannot, therefore, be divided into smaller pieces for use in an item bank), we also describe the alternate pilot design used for those measures.

The Word Reading Fluency Measure

The Word Reading Fluency measure tests students' ability to read both sight-words and words following regular patterns of letter/sound correspondence in the English language, allowing them to be easily decodable. In this individually-administered measure, students are shown a series of words organized in a chart on one side of a single sheet of paper and given a set amount of time (ranging from 30 - 60 seconds on different versions of this measure) to read

as many of them as they can. A trained assessor follows along as the student reads the words, indicating on his/her own test protocol each word the student reads incorrectly and prompting the student to go on if he/she hesitates at a word for more than three seconds. Student self-corrections are counted as correct responses. At the end of the allotted time, the assessor marks the last word read and calculates the total number of words read correctly to arrive at the student's score, words read correctly in one minute (on tests administered for shorter times, it is common practice to use a multiplier to convert the raw score to a 'per minute' fluency-based score).

The Passage Reading Fluency Measure

The Passage Reading measure tests students' ability to read connected narrative text accurately. In this individually-administered measure, students are shown a short narrative passage (approximately 250 words) printed on one side of a single sheet of paper and given a set amount of time (ranging from 30 – 60 seconds on different versions of this measure) to read as much of the passage as they can. A trained assessor follows along as the student reads, indicating on his/her own test protocol each word the student reads incorrectly and prompting the student to go on if he/she hesitates for more than three seconds. Student self-corrections are counted as correct responses. At the end of the allotted time, the assessor marks the last word read and calculates the total number of words read correctly to arrive at the student's score, words read correctly in one minute (on tests administered for shorter times, it is common practice to use a multiplier to convert the raw score to a 'per minute' fluency-based score).

Methods

Our goal was to create 20 alternate forms of each measure at each grade level where the measure was designed to be used (see Table 1). Because these alternate forms will be used for

progress monitoring, it is essential that all forms of a particular measure in a given grade level be comparable in difficulty. The methods we used to create these comparable alternate forms are described in the following section.

Creating Alternate Forms of the Word Reading Fluency Measure

To design alternate forms of the Word Reading Fluency measure, we gathered information about the difficulty of specific words during a pilot testing session between May 15 and June 9, 2006 and created an item pool from which we could draw as we created the 20 alternate forms of the Word Reading Fluency measure at each of four grade levels, for a total of 80 different forms of this measure. The words we used during the pilot study came from a variety of sources: Dolch word lists, online grade-level word lists, and a list of 'the first 1000 words' found in XX's (date) book of lists. They included words with both regular and irregular sound patterns and were a variety of lengths.

Following recommendations by Kolen and Brennan (1995), we used a common item nonequivalent groups design to pilot each word we were considering including in our item bank. We used information from this piloting to create a calibrated item pool, with all words placed on the same Θ scale. In other words, although not every word was administered to every student in the pilot testing, there was enough overlap of items between the different forms of the measure used in piloting to allow us to analyze all the data simultaneously. The items shared across the different forms of the test (common items) allowed us to calibrate all items on the same metric, an essential pre-requisite for creating an item bank. To accomplish our ultimate goal of being able to create 20 comparable alternate forms of the Word Reading Fluency measure in Kindergarten through third grade, we gathered information about the difficulty of each word by administering a variety of Word Reading Fluency forms to a sample of students in Kindergarten

through third-grade in a large suburban school district in the Pacific Northwest. In all, between 144 and 2654 students provided pilot test data on each word, with the words used as anchor items accounting for the highest number of student interactions.

To reduce the likelihood that fatigue would influence student performance on the measure of word reading, we kept each of the pilot forms short (68 words in Kindergarten, 80 in grades 1-3) and administered only one form to each student. In addition, because our primary goal during the piloting was to gather information about the relative difficulty of each of the words, we extended the amount of time students had to complete the test to four minutes. This time extension during the piloting enabled all students to provide pilot test data relative to the difficulty of items, reducing the likelihood that students with lower estimated abilities would 'time out' before they were able to provide information about the difficulty of items near the end of the test form.

We administered 5 different forms of the Word Reading Fluency test to students in Kindergarten, 4 forms to students in first grade, and 3 forms to students in third and fourth grade each, for a total of 15 forms. Each form contained 5 words that served as anchor items, common across all 15 forms of the test. To allow for later equating and scaling across and between forms, the five anchor item words appeared consistently in the same locations on all forms of the Word Reading Fluency measure (see Figure 1).

Figure 1
Word Reading Fluency Template, Showing Locations of Five Items Common to All Forms

		will	
	about	remain	no
and			

These anchor items were used during analysis to allow concurrent estimation of item difficulty across all 15 forms of the test. In keeping with Kolen and Brennan's (1995) recommendations, the anchor items were located in the same position on each form of the test.

Creating Alternate Forms of the Passage Reading Fluency Measures

The passages used in the Passage Reading Fluency measures were all written specifically for use in this progress monitoring assessment system. All 80 passages were written by graduate students enrolled in College of Education courses in the winter of 2006. Passage writers followed written test specifications (see Appendix A). All passages underwent a four-stage review process. First, the lead author, who holds a Bachelor's of Arts degree in English and is a National Board for Professional Teaching Standards certified English teacher, reviewed each passage. She edited the passages for grammatical correctness and grade-level appropriateness. Then, two graduate students edited for formatting consistency. They divided each passage into three paragraphs of approximately even length and checked the readability of each paragraph using the Flesch-Kinkaid readability index feature available on Microsoft Word. Each first-grade paragraph was adjusted as needed to create three paragraphs with a readability level between 1.4 and 1.6. Each second-grade paragraph was adjusted as needed to create three paragraphs with a readability level between 2.4 and 2.6. Each third-grade paragraph was adjusted as needed to create three paragraphs with a readability level between 3.4 and 3.6. Each fourth-grade paragraph was adjusted as needed to create three paragraphs with a readability level between 4.4 and 4.6.

Third, each passage was reviewed by a teacher with a minimum of three years' teaching experience at that particular grade level to ensure the topics, wording, and style were appropriate for the target grade levels. Finally, passages were sent back to the lead author for a final review

to ensure that they still met test specifications. Once the review process was complete, the passages were printed on 8 ½ by 11 inch paper for use during the pilot testing process.

Analysis of the Word Reading Fluency Measures

Item parameters were estimated using a one-parameter Rasch model analyzed with Winsteps3.61.1 analytic software (Linacre, 2006). Rasch analyses differ from approaches using classical statistics in that they consider patterns of responses across individuals, using this information to provide a level of specificity in results unattainable with approaches based on classical statistics used in the development of most CBMs. In a complex iterative process, a Rasch analysis concurrently estimates the difficulty of individual test items and the ability level of each individual test taker. The results one obtains from this analysis, relevant to our discussion here, include an estimation of the difficulty (referred to as the *measure* of each item), the *standard error of measure* associated with each item's estimated difficulty, and the degree to which each item 'fits' the measurement model (referred to as the *mean square outfit* of each item). All of this information must be considered when evaluating the technical adequacy of the measures, as described below.

Considering each item's estimated difficulty. Rasch analyses, which examine each item's reliability, provide a more precise treatment of reliability than classical statistics, which examine the issue only at a more global test level. The most reliable estimation of a test-taker's ability can be gained from tests comprised of items that represent the fullest range of difficulty possible for the population with which the test is intended to be used.

Thus, in creating our Word Reading Fluency measures, it is necessary for us to select items representing a range of difficulties. In Rasch analyses, this information is gleaned from examining each item's *measure*. Easy items will have measures represented with negative

numbers; difficult items will have measures represented with positive numbers. A measure of zero indicates an item that a person of average ability would be expected to have a 50% chance of getting correct. Thus, we sought a full range of measures on every Word Reading Fluency measure.

Examining the standard error of measure. Rasch analyses provide information about the standard error of measure associated with the estimation of each item's measure. In general, the smaller the standard error of measure, the more reliable the estimation. We sought small standard errors of measure on all items on our tests. Items where the standard error of measure is too great for reliable estimation are indicated on the output files with a notation that the computer program was unable to provide a reliable estimate of the item's difficulty.

Using the mean square outfit to evaluate goodness of fit. An additional piece of information used to evaluate technical adequacy in a Rasch model is the mean square outfit associated with each item. Values in the range of 0.50 to 1.50 are considered acceptable fit.

Mean square outfits falling outside this acceptable range indicate the need for further evaluation of item functioning. Such further evaluation takes into consideration additional sources of information, such as the standard error associated with the item's estimation as well as the sample size used to generate the estimate of model fit. In general, items with a mean square outfit less than 0.50 are considered less worrisome than items with mean square outfits higher than 1.50. Our technical specifications called for the exclusion of any items with unacceptable mean square outfits from the item bank.

Analysis of the Passage Reading Fluency Measures

Unlike the other measures in the Progress Monitoring Assessment System, the Passage Reading measures are not appropriate for analysis using Item Response Theory, as each form of the measure would be considered a single 'item' with a score ranging from 0 – 255. Thus, we analyzed the Passage Reading Fluency forms using classical statistics. More specifically, we analyzed both correlations and mean differences between the different forms of the measures using a repeated measures analysis. To increase the reliability of our score interpretations, we administered all 20 alternate forms of each grade level passage to the same group of students, over the course of one week (each student completed four Passage Reading Fluency forms per day). To further reduce variability caused by different testers, students were administered all 20 Passage Reading Fluency measures by the same tester.

Results

Both the Word Reading Fluency items and the Passage Reading Fluency measures were pilot tested in the spring of 2006. We present the results of this pilot testing, by type of measure, below.

Results of the Word Reading Fluency Pilot Testing

The Word Reading Fluency items were piloted using 5 common items across 15 separate forms of the measure to equate items across forms. Results of this piloting are presented in Table 2.

Table 2
Results of IRT Analysis of Word Reading Fluency, Spring Pilot, 2006, Grades K-3

Word	Count	Measure	Mean Square Outfit
the	1960	-6.21	1.10
or	1960	-2.81	2.72
will	2654	-3.78	0.85
number	2198	-1.55	0.66
of	1960	-2.93	9.90
about	2654	-1.54	0.58
remain	2654	2.13	3.14
no	2654	-3.71	4.43
and	2654	-5.20	1.15
little	1960	-3.03	4.45
much	1960	-1.80	1.69

well	1960	-2.18	5.01
change	195	1.32	0.06
between	195	0.13	0.75
along	195	-0.81	1.07

Word	Count	Measure	Mean Square Outfit
car	195	-3.46	0.94
watch	195	-0.33	0.69
question	195	-0.03	0.51
top	195	-5.37	0.93
fast	195	-4.00	0.95
in	353	-5.64	2.98
but	195	-3.56	1.08
my	195	-3.11	0.72
is	195	-6.31	1.29
his	195	-4.16	0.83
only	438	-1.52	0.17
through	230	1.34	1.06
another	195	0.32	0.58
again	195	-0.70	4.48
food	195	-2.60	1.09
while	440	1.14	1.50
feet	195	-3.07	0.89
face	195	0.32	0.13
sun	195	-4.84	0.71
become	195	-0.19	0.70
cover	195	-1.10	0.87
it	195	-6.01	1.21
were	438	2.51	9.90
been	195	-1.77	2.36
he	195	-4.22	0.91
an	195	-4.90	0.95
take	195	-1.27	0.42
help	195	-2.64	0.59
does	440	0.32	0.62
picture	195	-0.58	0.31
add	195	-3.11	3.76
few	195	0.13	0.92
side	195	-0.33	1.21
eat	195	-2.07	0.77
stand	195	-1.01	1.70
sure	403	1.19	0.67
space	195	0.75	0.07
down	195	-1.19	0.51
they	195	-0.46	0.57

sound	195	0.13	0.48
where	195	0.13	0.77
end	195	-2.07	0.84
hand	195	-1.57	0.59

Word	Count	Measure	Mean Square Outfit
near	195	-0.33	0.21
don't	195	-0.91	0.28
back	195	-1.64	0.51
any	195	-0.19	0.56
turn	195	-0.33	2.02
house	195	-0.70	0.56
father	440	0.38	0.65
open	641	-1.20	0.72
grow	884	-0.99	0.58
girl	678	-1.23	0.88
on	312	-3.59	2.63
can	312	-3.52	2.08
its	312	-3.96	1.54
are	456	-2.00	0.97
children	312	-0.05	1.33
enough	312	-0.79	0.89
color	312	-1.40	1.07
door	312	-1.60	0.64
rock	312	-3.32	0.99
enter	312	-1.44	0.70
stay	506	-1.82	0.98
wait	312	0.71	1.20
new	312	-0.89	0.62
great	312	-2.55	1.50
put	312	-1.04	0.79
kind	312	0.81	0.32
every	312	-0.44	0.62
left	312	-1.31	1.24
until	312	-0.56	0.91
idea	312	0.10	0.49
music	520	-0.42	1.29
read	456	-1.90	1.13
wind	968	1.22	6.52
be	1206	-0.40	7.16
do	312	-1.97	2.45
come	312	-3.52	0.72
this	312	-2.38	0.62
over	312	-2.41	2.05
say	312	-2.29	0.62
-			

set	312	-3.50	1.05
try	312	-2.75	1.38
high	312	-1.68	1.85
saw	312	-2.20	1.82

Word	Count	Measure	Mean Square Outfit
important	312	-0.56	1.36
miss	312	-3.79	0.88
body	312	-3.50	1.00
order	312	-2.32	2.06
listen	312	0.43	2.22
had	312	-3.46	0.68
other	312	-1.83	1.30
way	312	-3.61	0.78
to	312	-2.95	1.59
work	312	-2.55	0.56
before	555	-2.11	0.50
large	312	-0.79	0.52
off	312	-3.48	1.14
own	312	-2.53	0.90
might	312	-0.99	0.74
mile	312	-1.75	2.34
far	312	-0.84	1.83
fish	312	-1.90	0.49
ship	312	-1.60	0.79
several	312	-1.75	3.25
one	312	-2.13	0.48
people	550	-1.24	0.61
problem	312	-1.04	0.74
best	312	-1.40	1.39
morning	312	-0.79	0.73
have	312	-2.16	0.59
their	550	-0.71	0.40
has	550	-2.10	0.97
may	550	-1.36	1.05
give	550	-1.34	0.37
a	158	-1.88	0.44
by	158	-1.32	0.35
know	158	-1.81	0.36
line	158	-0.71	0.32
must	158	-0.59	0.35
play	158	-0.94	0.32
below	403	-0.62	1.45
close	158	-0.33	2.47
night	403	-0.53	0.28

area	158	-1.04	0.63
across	158	-1.41	0.83
hold	158	-1.41	0.95
word	158	-0.71	1.12

out 158 -0.19 1.78 could 158 -0.94 1.03 not 158 -0.19 0.14 place 158 0.48 0.24 right 158 0.48 0.22 big 158 0.48 0.12 country 158 0.48 0.12 country 158 0.48 0.11 something 158 0.48 0.12 country 158 0.48 0.11 something 158 0.48 0.11 something 158 0.71 0.46 walk 158 0.12 0.11 mark 158 0.12 0.11 mark 158 0.12 0.22 himself 158 0.12 0.22 himself 158 0.19 0.39 many 158 0.09 0.39 many 158 0.03 0.60 <th>Word</th> <th>Count</th> <th>Measure</th> <th>Mean Square Outfit</th>	Word	Count	Measure	Mean Square Outfit
not 158 -0.19 0.14 place 158 0.48 0.24 right 158 0.48 0.22 big 158 -0.94 0.87 spell 158 0.48 0.12 country 158 0.48 0.11 something 158 0.71 0.46 walk 158 0.12 0.11 something 158 0.12 0.11 mark 158 0.12 0.22 himself 158 -1.04 1.03 today 158 0.12 0.22 himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.19 0.33 many 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -3.41 1.23 even 158 -3.41 1.23 <td>out</td> <td>158</td> <td>-0.19</td> <td></td>	out	158	-0.19	
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right 158 0.48 0.22 big 158 -0.94 0.87 spell 158 -0.94 0.87 spell 158 0.48 0.11 something 158 0.48 0.11 something 158 0.48 0.11 something 158 0.12 0.12 walk 158 0.12 0.11 mark 158 0.12 0.22 himself 158 -1.04 1.03 today 158 -0.19 0.39 many 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.04 0.31 than 158 -0.04 0.33 than 158 -1.50 0.63 year 158 -3.41 1.23 even 158 1.38 1.36 air 158 -0.59 1.52	not	158	-0.19	0.14
big 158 -0.94 0.87 spell 158 0.48 0.12 country 158 0.48 0.11 something 158 0.071 0.46 walk 158 0.12 0.11 mark 158 -1.04 1.03 today 158 0.12 0.22 himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -0.33 0.37 too 158 -3.41 1.23 even 158 -3.41 1.23 even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.14 2.32	place	158	0.48	0.24
spell 158 0.48 0.11 country 158 0.48 0.11 something 158 -0.71 0.46 walk 158 -0.12 0.11 mark 158 -1.04 1.03 today 158 -1.02 0.22 himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -0.33 0.37 too 158 -3.41 1.23 even 158 -3.41 1.23 even 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 <td>right</td> <td>158</td> <td>0.48</td> <td>0.22</td>	right	158	0.48	0.22
spell 158 0.48 0.11 country 158 0.48 0.11 something 158 -0.71 0.46 walk 158 -0.12 0.11 mark 158 -1.04 1.03 today 158 -1.02 0.22 himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -0.83 0.37 too 158 -3.41 1.23 even 158 -3.41 1.23 even 158 -0.59 1.52 plant 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 <td>big</td> <td>158</td> <td>-0.94</td> <td>0.87</td>	big	158	-0.94	0.87
country 158 0.48 0.11 something 158 -0.71 0.46 walk 158 -0.12 0.11 mark 158 -1.04 1.03 today 158 -1.02 0.22 himself 158 -0.19 0.39 montice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -0.33 0.37 too 158 -3.41 1.23 even 158 -3.41 1.23 even 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 -1.14 2.32 </td <td></td> <td>158</td> <td>0.48</td> <td>0.12</td>		158	0.48	0.12
walk 158 0.12 0.11 mark 158 -1.04 1.03 today 158 0.12 0.22 himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -0.33 0.37 too 158 -3.41 1.23 ever 158 -3.41 1.23 even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 1.13 0.42		158	0.48	0.11
mark 158 -1.04 1.03 today 158 0.12 0.22 himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -0.33 0.37 too 158 -3.41 1.23 even 158 -3.41 1.23 even 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 -1.13 0.08 almost 158 -0.04 0.49 dog 158 1.38 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 <	something	158	-0.71	0.46
today	walk	158	0.12	0.11
himself 158 -1.23 1.00 notice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -0.33 0.37 too 158 -0.31 1.23 even 158 -3.41 1.23 even 158 -3.41 1.23 even 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -1.13 0.08 almost 158 -3.85 1.53 during 158 -3.85 1.53 during 158 1.95 0.50	mark	158	-1.04	1.03
notice 158 -0.19 0.39 many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -0.33 0.37 too 158 -0.33 0.37 too 158 -3.41 1.23 even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 -1.14 2.32 white 158 -1.13 0.08 almost 158 -1.13 0.42 toward 158 -3.85 1.53 during 158 -1.95 0.50 them 158 -1.23 1.02	today	158	0.12	0.22
many 158 -0.04 0.31 than 158 -0.83 0.60 that 158 -1.50 0.63 year 158 -1.50 0.63 year 158 -0.33 0.37 too 158 -0.34 1.23 even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 -1.14 2.32 white 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 -3.85 1.53 during 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -1.23 1.02	himself	158	-1.23	1.00
than 158	notice	158	-0.19	0.39
that 158	many	158	-0.04	0.31
year 158 -0.33 0.37 too 158 -3.41 1.23 even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 <tr< td=""><td>than</td><td>158</td><td>-0.83</td><td>0.60</td></tr<>	than	158	-0.83	0.60
too 158 -3.41 1.23 even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	that	158	-1.50	0.63
even 158 1.38 1.36 air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 1.13 0.04 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	year	158	-0.33	0.37
air 158 -0.59 1.52 plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	too	158	-3.41	1.23
plant 158 -0.19 0.89 seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	even	158	1.38	1.36
seem 158 -1.14 2.32 white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	air	158	-0.59	1.52
white 158 1.13 0.08 almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	plant	158	-0.19	0.89
almost 158 -0.04 0.49 dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	seem	158	-1.14	2.32
dog 158 -3.85 1.53 during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	white	158	1.13	0.08
during 158 1.13 0.42 toward 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	almost	158	-0.04	0.49
toward all 158 1.95 3.04 all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard	dog	158	-3.85	1.53
all 158 -1.95 0.50 them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	during	158	1.13	0.42
them 158 -1.23 1.02 water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	toward	158	1.95	3.04
water 158 -0.04 0.12 you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	all	158	-1.95	0.50
you 158 -3.22 1.08 school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	them	158	-1.23	1.02
school 158 -1.14 0.35 old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	water	158	-0.04	0.12
old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	you	158	-3.22	1.08
old 158 -1.14 0.62 because 158 1.38 0.06 animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25	_	158		
animal 158 -0.04 0.12 me 403 -2.75 1.85 hard 158 -0.04 0.25		158	-1.14	0.62
me 403 -2.75 1.85 hard 158 -0.04 0.25	because	158	1.38	0.06
me 403 -2.75 1.85 hard 158 -0.04 0.25	animal	158	-0.04	0.12
	me		-2.75	
began 158 0.89 0.21	hard	158	-0.04	0.25
	began	158	0.89	0.21

above	403	0.99	0.29
horse	158	-0.04	0.14
short	158	0.48	0.20
five	158	-0.83	0.42

Word	Count	Measure	Mean Square Outfit
what	158	-0.59	2.17
then	158	-0.59	0.33
first	158	-0.59	3.36
same	144	-0.68	0.80
here	144	-1.57	0.57
point	144	0.74	0.89
keep	144	-2.05	0.87
example	144	0.90	3.64
took	144	-1.27	0.67
sometimes	144	0.18	5.08
complete	144	0.74	0.96
however	144	0.44	1.19
passed	144	0.31	0.82
from	144	-2.65	1.48
if	1253	-4.13	9.90
look	144	-2.42	0.91
part	144	-0.59	0.70
most	144	-0.06	0.47
tell	144	-2.54	1.27
why	144	-0.59	1.67
page	144	1.28	0.90
tree	144	-1.85	0.88
begin	389	0.44	0.77
river	144	-0.28	0.72
mountain	144	0.74	2.09
room	144	-2.05	0.82
low	144	-0.77	0.85
vowel	144	1.08	0.58
how	144	-1.20	0.98
time	144	-1.12	0.40
made	144	0.18	0.33
as	144	-3.29	1.95
very	144	-0.77	0.42
boy	144	-1.50	0.74
ask	144	-2.76	1.24
letter	144	0.18	0.84
never	144	-0.77	0.32
life	144	-0.06	0.54
	144	-1.12	0.41

cut	144	-2.42	1.31
knew	144	0.05	0.41
hours	144	1.08	1.13
true	144	0.31	0.31

Table 2 (Continued)
Results of IRT Analysis of Word Reading Fluency, Spring Pilot, 2006, Grades K-3

would find 367 0.04 1.08 find 144 -0.28 0.56 with 144 -1.03 0.49 thing 144 -0.77 0.41 came 144 -0.39 0.40 men 144 -0.59 9.90 city 387 -0.70 0.43 state 144 0.74 0.41 those 144 0.74 0.41 those 144 0.74 0.41 those 144 1.08 0.46 since 144 1.08 0.46 since 144 1.08 0.46 black 144 1.08 0.54 hundred 144 1.73 0.28 use 144 0.59 0.33 make 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 <tr< th=""><th>Word</th><th>sis of Word Reading Fluenc Count</th><th>Measure</th><th>Mean Square Outfit</th></tr<>	Word	sis of Word Reading Fluenc Count	Measure	Mean Square Outfit
find	there	144	-0.06	0.59
with thing	would	367	0.04	1.08
thing came 144 -0.77 0.41 came 144 -0.39 0.40 men 144 -2.05 1.14 answer 144 0.59 9.90 city 387 -0.70 0.43 state 144 0.74 0.41 those 144 1.08 0.65 talk 144 1.08 0.65 talk 144 1.08 0.65 talk 144 1.08 0.46 since 144 1.08 0.46 since 144 1.73 0.28 use 144 0.59 0.33 make 144 0.59 0.33 make 144 0.59 0.33 make 144 0.59 0.33 make 144 0.59 0.33 smake 144 0.59 0.38 0.66 0.64 said 144 0.39 1.82 our 144 0.39 1.82 our 144 0.06 2.69 want 382 0.07 1.78 found 627 0.22 0.83 soon 238 1.42 0.88 both 238 0.73 0.96 earth 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 0.67 0.66 pattern 238 0.47 1.18 piece 1238 0.59 1.97 happen 238 0.47 1.18 piece 1238 0.59 1.97 happen 238 0.47 1.18 piece 1238 0.47 1.18 piece 1238 0.59 1.97 happen 238 0.47 1.94 her 238 0.47 0.66 pattern 238 0.47 1.94 her 238 0.47 0.66 0.49 just 238 0.47 0.60 0.49 just 238 0.47 0.96 eye 238 0.47 0.96 eye 238 0.47 0.96 eye 238 0.47 0.96 eye	find	144	-0.28	0.56
came	with	144	-1.03	0.49
men 144 -2.05 1.14 answer 144 0.59 9.90 city 387 -0.70 0.43 state 144 0.74 0.41 those 144 1.08 0.65 talk 144 1.08 0.46 since 144 2.01 1.64 black 144 -0.68 0.54 hundred 144 1.73 0.28 use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.73 0.96 earth 238 0.23 3.18 piece 238 0.47 1.18 piece 238 0.47 1.18 piece 238 0.47 1.18 piece 238 0.47 1.94 her 238 -0.67 0.66 pattern 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -0.60 0.49 just 238 -0.60 0.49 just 238 -0.67 0.66 need 238 -0.12 0.85 study 238 0.47 0.96 eye 238 0.47 0.96	thing	144	-0.77	0.41
answer	came	144	-0.39	0.40
city 387 -0.70 0.43 state 144 0.74 0.41 those 144 -0.18 0.65 talk 144 -0.18 0.65 talk 144 1.08 0.46 since 144 2.01 1.64 black 144 2.01 1.64 black 144 1.73 0.28 use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.18 piece 1238 0.47 1.18 piece 1238 0.47 1.18 piece 1238 0.47 1.18 piece 1238 0.47 1.94 her 1238 0.47 1.94 her 1238 0.47 1.94 her 1238 0.47 1.94 her 1238 -0.95 1.83 now 1238 -0.67 0.66 pattern 1238 -0.95 1.83 now 1238 -0.60 0.49 just 1238 -0.60 0.49 just 1238 -0.60 0.49 just 1238 -0.60 0.85 study 238 0.47 0.96 eeed 238 -2.19 0.85 study 238 0.47 0.96 eeed 238 0.47 0.96 eeed 238 -2.19 0.85 study 238 0.47 0.96 eee	men	144	-2.05	1.14
state	answer	144	0.59	9.90
state 144 0.74 0.41 those 144 -0.18 0.65 talk 144 1.08 0.46 since 144 2.01 1.64 black 144 2.01 1.64 black 144 -0.68 0.54 hundred 144 1.73 0.28 use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.47 1.18 piece 238 -0.67 0.66 pattern 238	city	387	-0.70	0.43
talk	state	144	0.74	0.41
since 144 2.01 1.64 black 144 -0.68 0.54 hundred 144 1.73 0.28 use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.47 1.18 piece 238 0.59 1.97 happen 238 0.47 1.94 her 238 0.47 1.94 her 238 -0.67 0.62 I 238 -2.07 0.62 I 238 -2.07<	those	144	-0.18	0.65
since 144 2.01 1.64 black 144 -0.68 0.54 hundred 144 1.73 0.28 use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.47 1.18 piece 238 0.59 1.97 happen 238 0.47 1.94 her 238 0.47 1.94 her 238 -0.67 0.62 I 238 -2.07 0.62 I 238 -2.07<	talk	144		0.46
hundred 144 1.73 0.28 use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 0.59 1.97 happen 238 0.07 0.66 pattern 238 0.07 0.66 pattern 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238	since	144	2.01	1.64
use 144 0.59 0.33 make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 -0.67 0.66 pattern 238 -0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 <	black	144	-0.68	0.54
make 144 -0.77 0.46 long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 <td< td=""><td>hundred</td><td>144</td><td>1.73</td><td>0.28</td></td<>	hundred	144	1.73	0.28
long 144 -0.86 0.64 said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 0.59 1.97 happen 238 0.47 1.94 her 238 0.47 1.94 her 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19	use	144	0.59	0.33
said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.47 1.97 happen 238 -0.67 0.66 pattern 238 -0.67 0.66 pattern 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 -0.52 7.32	make	144	-0.77	0.46
said 144 -0.39 1.82 our 144 -0.06 2.69 want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 -0.47 0.96 eye 238 -0.52 7.32	long	144	-0.86	0.64
want 382 -0.07 1.78 found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	said	144	-0.39	1.82
found 627 0.22 0.83 soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	our	144	-0.06	2.69
soon 238 -1.42 0.88 both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	want	382	-0.07	1.78
both 238 0.73 0.96 earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	found	627	0.22	0.83
earth 238 0.23 3.18 once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	soon	238	-1.42	0.88
once 238 0.47 1.18 piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	both	238	0.73	0.96
piece 238 0.59 1.97 happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	earth	238	0.23	3.18
happen 238 -0.67 0.66 pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	once	238	0.47	1.18
pattern 238 0.47 1.94 her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	piece	238	0.59	1.97
her 238 -0.95 1.83 now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	happen	238	-0.67	0.66
now 238 -2.07 0.62 I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	pattern	238	0.47	1.94
I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	her	238	-0.95	1.83
I 238 -7.33 1.36 which 238 -0.60 0.49 just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	now	238	-2.07	0.62
just 238 -2.03 0.78 show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	I	238	-7.33	1.36
show 481 -1.23 0.60 need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	which	238	-0.60	0.49
need 238 -2.19 0.85 study 238 0.47 0.96 eye 238 -0.52 7.32	just	238	-2.03	0.78
study 238 0.47 0.96 eye 238 -0.52 7.32	show	481	-1.23	0.60
eye 238 -0.52 7.32	need	238	-2.19	0.85
eye 238 -0.52 7.32	study	238	0.47	0.96
	eye	238	-0.52	7.32
	paper	483	0.77	1.84

book	238	-2.82	0.76
list	238	-2.41	1.03
told	238	-1.08	0.90
whole	238	0.73	2.42

at 238 -5.78 2.89 herself 238 0.35 0.53 him 238 -3.65 1.31 did 238 -3.76 1.32 name 238 -1.72 0.66 also 238 0.12 0.31 land 238 -1.81 0.81 still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 -0.02 0.64 hear 238 -0.74 1.91 song 238 -0.77 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59	Word	Count	Measure	Mean Square Outfit
him 238 -3.65 1.31 did 238 -3.76 1.32 name 238 -1.72 0.66 also 238 0.12 0.31 land 238 -1.81 0.81 still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 -0.08 0.19 together 238 -0.08 0.19 song 238 -0.74 1.91 song 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -0.39 0.27 good 483 0.15 0.33		238	-5.78	2.89
did 238 -3.76 1.32 name 238 -1.72 0.66 also 238 0.12 0.31 land 238 -1.81 0.81 still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 -0.12 0.64 hear 238 -0.74 1.91 song 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -0.39 0.27 good 483 -0.08 0.43				
name 238 -1.72 0.66 also 238 0.12 0.31 land 238 -1.81 0.81 still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 -0.12 0.64 hear 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 -0.08 0.43 learn 238 0.23 0.95	him		-3.65	
also 238 0.12 0.31 land 238 -1.81 0.81 still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 -0.12 0.64 hear 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 0.05 0.43 learn 238 1.18 0.56 stop 238 1.18 0.56 <td>did</td> <td></td> <td>-3.76</td> <td></td>	did		-3.76	
land 238 -1.81 0.81 still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 -0.12 0.64 hear 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 1.18 0.56 stop 238 1.18 0.56 <td>name</td> <td></td> <td>-1.72</td> <td></td>	name		-1.72	
still 238 -1.72 0.62 light 238 -0.08 0.19 together 238 0.12 0.64 hear 238 -0.74 1.91 song 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 </td <td>also</td> <td></td> <td>0.12</td> <td>0.31</td>	also		0.12	0.31
light 238 -0.08 0.19 together 238 0.12 0.64 hear 238 -0.74 1.91 song 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 0.15 0.33 thought 238 1.18 0.56 stop 238 1.18 0.56 stop 238 1.252 0.69 <td>land</td> <td>238</td> <td>-1.81</td> <td>0.81</td>	land	238	-1.81	0.81
together 238 0.12 0.64 hear 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 0.15 0.33 different 483 0.15 0.33 different 238 1.18 0.56 stop 238 2.52 0.69 got 483 -2.52 0.69 got 483 -2.23 9.90 friends 483 0.87 0.77 money 238 1.97 0.26 think 1109 -1.93 0.76 mercy 238 1.97 0.26 think 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -0.52 1.40 story 245 -0.52 1.40	still	238	-1.72	0.62
hear 238 -0.74 1.91 song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 0.15 0.33 different 483 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77	light	238	-0.08	0.19
song 238 -1.62 0.67 usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 <td>together</td> <td>238</td> <td>0.12</td> <td>0.64</td>	together	238	0.12	0.64
usually 483 2.84 8.92 measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -0.179 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 -0.94 0.45 early 483 -0.91 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20	hear	238	-0.74	1.91
measure 483 2.94 6.65 table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 <	song	238	-1.62	0.67
table 238 -0.27 0.40 she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 0.87 0.77 money 238 0.87 0.77 money 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -0.52 1.40 story 245 -0.52 1.40 story	usually		2.84	8.92
she 1347 -3.41 0.77 into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 1.97 0.26 think 1109 -1.93 0.76 mercy 238 1.97 0.26 think 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245<	measure		2.94	
into 483 -2.68 0.59 get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90	table	238	-0.27	0.40
get 483 -3.44 1.31 each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	she	1347	-3.41	0.77
each 483 -0.39 0.27 good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	into	483	-2.68	0.59
good 483 -1.79 0.50 around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48 </td <td>get</td> <td>483</td> <td>-3.44</td> <td>1.31</td>	get	483	-3.44	1.31
around 483 0.15 0.33 different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	each	483	-0.39	0.27
different 483 -0.08 0.43 learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	good	483	-1.79	0.50
learn 238 0.23 0.95 thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	around	483	0.15	0.33
thought 238 1.18 0.56 stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	different	483	-0.08	0.43
stop 238 -2.52 0.69 got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	learn	238	0.23	
got 483 -2.23 9.90 friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	thought	238	1.18	0.56
friends 483 -0.94 0.45 early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	stop	238	-2.52	0.69
early 483 0.87 0.77 money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	got	483	-2.23	9.90
money 238 -0.17 0.76 mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	friends	483	-0.94	0.45
mercy 238 1.97 0.26 think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	early	483	0.87	0.77
think 1109 -2.21 1.20 small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	money	238	-0.17	0.76
small 1109 -1.93 0.76 move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	mercy	238	1.97	0.26
move 245 -0.62 1.11 man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	think	1109	-2.21	1.20
man 245 -4.32 1.37 three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	small	1109	-1.93	0.76
three 245 -2.27 4.98 us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	move	245	-0.62	1.11
us 245 -3.37 9.90 world 245 -0.52 1.40 story 245 -1.47 0.48	man	245	-4.32	1.37
world 245 -0.52 1.40 story 245 -1.47 0.48	three	245	-2.27	4.98
story 245 -1.47 0.48	us	245	-3.37	9.90
	world	245	-0.52	1.40
run 245 -4.19 9.78	story	245	-1.47	0.48
	run	245	-4.19	9.78

later	245	1.45	2.34
it's	245	-3.08	3.52
heard	245	1.61	2.86
reached	245	1.56	1.05

map 245 -3.28 3.04 upon 245 -0.11 2.59 street 245 -1.14 0.74 stood 245 0.78 1.93 America 245 -0.04 1.28 under 245 -0.04 1.28 under 245 -1.94 0.62 often 245 -0.23 1.79 second 245 -0.23 1.79 second 245 1.06 1.37 family 245 -2.00 0.51 easy 245 0.32 0.51 waves 245 0.65 1.41 sentence 245 0.65 1.41 sentence 245 1.45 7.92 home 245 1.45 7.92 home 245 1.44 1.54 head 245 0.61 1.65 group 245 0.61 1.65 <th>Word</th> <th>Count</th> <th>Measure</th> <th>Mean Square Outfit</th>	Word	Count	Measure	Mean Square Outfit
street 245 -1.14 0.74 stood 245 0.78 1.93 America 245 -0.04 1.28 under 245 -0.03 1.79 second 245 -0.23 1.79 second 245 -0.20 0.51 second 245 -2.00 0.51 second 245 -2.00 0.51 second 245 -2.00 0.51 sexer 245 0.32 0.51 wass 245 0.65 1.41 sear 245 0.65 1.41 sentence 245 1.45 7.92 home 245 1.45 7.92 home 245 1.44 1.93 should 245 1.14 1.54 head 245 0.61 1.65 group 245 0.28 0.64 leave 245 0.28 0.64 </td <td>=</td> <td></td> <td></td> <td></td>	=			
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America	street			
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sea 245 -0.83 0.61 day 208 -3.03 0.67 live 208 -2.56 9.90 young 208 0.28 1.34 halt 0 0.00 1.00 surface 194 3.06 0.44 ran 254 -1.15 2.19 was 208 1.74 2.48	like	245	-1.04	
day 208 -3.03 0.67 live 208 -2.56 9.90 young 208 0.28 1.34 halt 0 0.00 1.00 surface 194 3.06 0.44 ran 254 -1.15 2.19 was 208 1.74 2.48	follow		0.40	0.51
live 208 -2.56 9.90 young 208 0.28 1.34 halt 0 0.00 1.00 surface 194 3.06 0.44 ran 254 -1.15 2.19 was 208 1.74 2.48	sea	245	-0.83	0.61
young 208 0.28 1.34 halt 0 0.00 1.00 surface 194 3.06 0.44 ran 254 -1.15 2.19 was 208 1.74 2.48	day		-3.03	0.67
halt 0 0.00 1.00 surface 194 3.06 0.44 ran 254 -1.15 2.19 was 208 1.74 2.48	live	208	-2.56	9.90
surface 194 3.06 0.44 ran 254 -1.15 2.19 was 208 1.74 2.48	young			
ran 254 -1.15 2.19 was 208 1.74 2.48	halt	0		1.00
was 208 1.74 2.48	surface		3.06	0.44
	ran	254	-1.15	2.19
step 208 -0.36 1.06	was	208	1.74	2.48
	step	208	-0.36	1.06

English	208	1.37	1.05
contain	402	4.06	9.73
when	208	-1.71	0.89
gave	208	-1.01	9.90

figure 208 2.58 1.75 road 208 0.23 1.29 course 402 2.34 1.00 so 208 -1.83 0.84 mulch 210 2.89 1.50 always 451 -0.48 0.59 ground 208 0.36 0.52 ten 451 -1.36 0.38 produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.29 0.69 matter 254 0.22 0.70	Word	Count	Measure	Mean Square Outfit
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so 208 -1.83 0.84 mulch 210 2.89 1.50 always 451 -0.48 0.59 ground 208 0.36 0.52 ten 451 -1.36 0.38 produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.70 can't 254 -2.89 0.69 matter 254 0.61 0.99 square 254 2.76 2.35 </td <td>road</td> <td>208</td> <td>0.23</td> <td>1.29</td>	road	208	0.23	1.29
mulch 210 2.89 1.50 always 451 -0.48 0.59 ground 208 0.36 0.52 ten 451 -1.36 0.38 produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 3.72 5.05 fly 254 -2.20 0.58 building 254 2.36 1.58 boat 254 2.36 1.58 boat 254 2.36 1.58 boat 254 2.89 0.69 matter 254 0.289 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 <td>course</td> <td>402</td> <td>2.34</td> <td>1.00</td>	course	402	2.34	1.00
always 451 -0.48 0.59 ground 208 0.36 0.52 ten 451 -1.36 0.38 produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 square 254 0.61 0.90 square 254 0.61 0.90 square 254 2.76 2.35 bill 254 2.25 0.52 <td>SO</td> <td>208</td> <td>-1.83</td> <td>0.84</td>	SO	208	-1.83	0.84
ground 208 0.36 0.52 ten 451 -1.36 0.38 produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 3.72 5.05 fly 254 2.20 0.58 building 254 2.20 0.58 building 254 2.20 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.29 0.69 matter 254 -0.80 0.90 square 254 0.61 0.90 square 254 2.25 0.52	mulch	210	2.89	1.50
ten 451 -1.36 0.38 produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 2.36 1.58 boat 254 -0.22 0.70 can't 254 0.61 0.90 square 254 0.98 0.74 syllables 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 0.98 0.96 0.99 direction 254 3.31 0.99 test 254 0.98 0.96 0.99 direction 254 3.31 0.99 test 254 0.80 0.96 direction 254 3.31 0.99 test 254 0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 0.65 1.28 anything 254 0.65 1.28 anything 254 0.65 0.66 general 230 2.02 0.56 energy 254 0.06 3.08 subject 254 1.14 0.73 Europe 254 1.14 0.73 Europe 254 1.193 0.76 region 254 0.05 0.41 moon 254 1.193 0.76 region 254 0.05 0.90	always	451	-0.48	0.59
produce 208 4.09 1.11 who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.89 0.69 matter 254 -0.61 0.90 square 254 0.61 0.90 square 254 2.76 2.35 bill 254 -2.25 <t< td=""><td>ground</td><td>208</td><td>0.36</td><td>0.52</td></t<>	ground	208	0.36	0.52
who 451 -0.48 0.78 followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.20 0.70 can't 254 -2.20 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.89 0.69 matter 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 <t< td=""><td>ten</td><td>451</td><td>-1.36</td><td>0.38</td></t<>	ten	451	-1.36	0.38
followed 208 1.32 0.78 landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.58 building 254 2.36 1.58 boat 254 -2.29 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -0.89 0.69 matter 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 </td <td>produce</td> <td>208</td> <td>4.09</td> <td>1.11</td>	produce	208	4.09	1.11
landed 208 1.37 0.62 answered 208 1.53 0.41 unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 -2.20 0.58 building 254 -2.36 1.58 boat 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -2.89 0.69 matter 254 0.61 0.90 square 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 2.25 0.52 felt 254 2.25 0.52 felt 254 1.31 0.99 test 254 -0.80 0.96 direction 254 2.27 8.11	who	451	-0.48	0.78
answered	followed	208	1.32	0.78
unit 254 3.72 5.05 fly 254 -2.20 0.58 building 254 2.36 1.58 boat 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -2.89 0.69 matter 254 0.61 0.90 square 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 0.65 1.28	landed	208	1.37	0.62
fly 254 -2.20 0.58 building 254 2.36 1.58 boat 254 -0.22 0.70 can't 254 -0.22 0.70 can't 254 -2.89 0.69 matter 254 0.61 0.90 square 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 2.26 0.52 felt 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 -0.61 1.18 suddenly 254 -0.80 0.96 direction 254 -0.80 0.96 direction 254 2.27 8.11 farmers 254 2.27 8.11 farmers 254 0.65 <t< td=""><td>answered</td><td>208</td><td>1.53</td><td>0.41</td></t<>	answered	208	1.53	0.41
building 254 2.36 1.58 boat 254 -0.22 0.70 can't 254 -2.89 0.69 matter 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.	unit	254	3.72	5.05
boat 254 -0.22 0.70 can't 254 -2.89 0.69 matter 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.05 0.	fly	254	-2.20	0.58
can't 254 -2.89 0.69 matter 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.65 1.28 anything 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.05 0.41 moon 254 -1.93 0	building	254	2.36	1.58
matter 254 0.61 0.90 square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.65 1.28 anything 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.05 0.41 moon 254 4.05 0.41 moon 254 6.26 9.90	boat	254	-0.22	0.70
square 254 0.98 0.74 syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	can't	254	-2.89	0.69
syllables 254 4.87 3.11 perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.65 1.28 anything 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	matter	254	0.61	0.90
perhaps 254 2.76 2.35 bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	square	254	0.98	0.74
bill 254 -2.25 0.52 felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	syllables	254	4.87	3.11
felt 254 -0.61 1.18 suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.05 0.41 moon 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	perhaps	254	2.76	2.35
suddenly 254 1.31 0.99 test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	bill	254	-2.25	0.52
test 254 -0.80 0.96 direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 4.00 3.08 subject 254 4.05 0.41 moon 254 4.05 0.76 region 254 6.26 9.90	felt	254	-0.61	1.18
direction 254 3.31 0.56 center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	suddenly	254	1.31	0.99
center 254 2.27 8.11 farmers 254 1.36 2.90 ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	test	254	-0.80	0.96
farmers2541.362.90ready2540.651.28anything2540.131.12divided2544.650.66general2302.020.56energy2544.003.08subject2541.140.73Europe2544.050.41moon254-1.930.76region2546.269.90	direction	254	3.31	0.56
ready 254 0.65 1.28 anything 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	center	254	2.27	8.11
anything divided 254 0.13 1.12 divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	farmers	254	1.36	2.90
divided 254 4.65 0.66 general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	ready	254	0.65	1.28
general 230 2.02 0.56 energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	anything	254	0.13	1.12
energy 254 4.00 3.08 subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	divided	254	4.65	0.66
subject 254 1.14 0.73 Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	general	230	2.02	0.56
Europe 254 4.05 0.41 moon 254 -1.93 0.76 region 254 6.26 9.90	energy	254	4.00	3.08
moon 254 -1.93 0.76 region 254 6.26 9.90	subject	254	1.14	0.73
region 254 6.26 9.90	Europe	254	4.05	
e	moon	254	-1.93	0.76
return 254 1.66 0.62	region	254	6.26	9.90
	return	254	1.66	0.62

believe	254	1.40	0.61
dance	254	1.14	0.37
members	254	1.36	0.86
plane	254	1.57	2.37

Word	Count	Measure	Mean Square Outfit
system	254	3.12	1.19
behind	254	1.96	0.38
round	254	1.27	0.44
force	254	1.79	1.06
game	254	-0.72	0.60
brought	254	2.45	0.84
understand	254	2.27	0.50
warm	254	0.73	1.03
common	254	3.35	2.66
bring	254	0.45	0.71
explain	254	1.44	0.38
dry	254	0.01	0.33
though	254	5.33	1.37
language	254	4.98	6.09
shape	254	0.77	0.55
deep	254	-0.41	0.56
thousands	254	4.76	0.76
yes	254	-1.64	4.18
clear	254	0.98	0.58
yet	254	-0.68	1.08
government	254	3.49	0.45
ago	254	1.27	0.69
less	254	0.25	0.67
week	254	-0.38	0.53
island	254	2.45	1.04
decided	194	3.73	0.45
class	194	-2.25	0.92
note	194	-0.01	1.95
nothing	194	-0.68	1.21
rest	194	-2.74	0.73
carefully	194	1.61	2.48
inside	194	-0.50	0.58
wheels	194	-0.45	1.15
scientists	194	4.72	9.13
green	194	-3.66	0.36
picked	194	-0.32	0.60
simple	194	0.89	1.76
cells	194	3.95	0.36
paint	194	0.74	1.35
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mind	194	1.88	0.77
love	194	-2.97	0.72
case	194	0.27	1.10
rain	194	-0.94	0.92

Word	Count	Measure	Mean Square Outfit
exercise	194	3.59	2.99
eggs	194	-3.16	9.51
train	194	-0.94	0.78
blue	194	-2.97	0.43
wish	194	-2.15	1.21
dropped	194	-2.05	0.62
developed	194	3.45	1.61
window	194	-0.19	0.47
difference	194	1.34	1.25
heart	194	0.55	1.79
sit	194	-3.36	6.11
distance	194	3.45	2.25
sum	194	-2.68	1.40
summer	194	-1.48	0.61
wall	194	-0.41	0.87
forest	194	-0.36	0.84
probably	194	1.45	0.88
filled	194	0.09	3.31
heat	194	1.14	1.69
full	194	-0.23	0.62
hot	194	-2.30	2.69
check	194	0.09	1.34
object	194	0.94	0.84
am	194	-1.81	8.19
rule	194	0.94	0.77
among	194	2.87	0.95
noun	194	4.03	9.90
power	194	0.50	0.58
cannot	194	0.79	0.79
able	194	1.77	0.46
six	437	-1.78	0.66
size	194	0.79	0.59
dark	194	0.04	1.14
ball	194	-0.90	0.79
material	194	6.08	9.90
special	194	2.05	0.59
heavy	194	1.55	0.61
fine	194	-0.01	0.42
pair	194	1.34	0.57

circle	194	1.29	0.36
hair	864	-0.24	1.05
age	864	0.45	0.76
amount	864	0.39	0.66

Word	Count	Measure	Mean Square Outfit
scale	864	1.03	0.99
doctor	205	-0.86	0.38
sand	205	-1.22	3.43
hit	205	-2.76	0.56
tone	205	0.88	3.42
crops	205	0.23	1.38
insects	205	0.42	1.01
electric	205	2.24	0.59
corner	205	-0.24	0.58
supply	205	3.87	1.28
president	205	1.61	0.96
brown	205	-2.42	9.90
trouble	205	0.17	1.07
cool	205	-2.42	4.68
cloud	448	0.85	1.05
lost	205	-1.87	4.79
send	398	-0.51	2.88
symbols	205	2.62	1.52
wear	205	-0.62	3.72
bad	205	-1.13	1.18
save	205	-2.00	1.94
experiment	205	2.37	1.07
engine	205	3.50	1.73
alone	205	0.72	4.00
drawing	205	0.23	1.22
east	205	-0.46	1.43
pay	205	-0.95	2.74
single	205	1.31	0.80
touch	205	-0.39	1.67
information	205	0.48	1.00
express	205	0.04	0.81
mouth	205	-0.03	1.33
yard	205	-1.64	0.77
equal	205	1.75	0.91
decimal	205	5.10	2.99
guess	205	0.88	1.02
silent	205	2.28	0.68
trade	448	0.50	0.61
rather	205	0.66	0.61

compare	205	1.21	0.75
crowd	205	0.99	0.72
poem	205	1.75	0.95
enjoy	205	-0.31	0.30

Results of IRT Analysis of Word Reading Fluency, Spring Pilot, 2006, Grades K-3

Word	Count	Measure	Mean Square Outfit
elements	205	1.75	1.94
indicate	205	3.76	1.25
except	205	3.20	2.14
flat	205	0.23	0.88
seven	205	-0.03	0.92
interesting	205	2.24	0.94
sense	205	1.10	0.67
string	205	0.83	1.35
blow	205	0.04	1.28
famous	205	2.37	0.50
value	205	2.33	0.95
wings	205	-0.03	0.46
movement	205	1.75	1.22
pole	205	0.66	0.86
exciting	448	1.85	0.97
cents	205	1.26	0.37

Initial analyses revealed 283 items outside the acceptable Mean Square Outfit range of $0.50\,-\,$

1.50. These items were dropped from the item bank, resulting in 465 remaining words. Table 3 gives a list of the words remaining, organized by Measure. The easiest words appear first in the list, with subsequent words increasing in difficulty.

Word	Count	Measure	Mean Square Outfit
I	238	-7.33	1.36
is	195	-6.31	1.29
the	1960	-6.21	1.10
it	195	-6.01	1.21
ten	243	-5.65	1.00
top	195	-5.37	0.93
and	2654	-5.20	1.15
an	195	-4.90	0.95
sun	195	-4.84	0.71
man	245	-4.32	1.37
he	195	-4.22	0.91

his	195	-4.16	0.83
fast	195	-4.00	0.95
miss	312	-3.79	0.88
will	2654	-3.78	0.85
TD 1.1 .0 (C) 1)			

did 238 -3.76 1.32 him 238 -3.65 1.31 way 312 -3.61 0.78 but 195 -3.56 1.08 come 312 -3.52 0.72 body 312 -3.50 1.00 set 312 -3.50 1.05 off 312 -3.46 0.94 had 312 -3.46 0.94 had 312 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.41 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love<	Word	Count	Measure	Mean Square Outfit
way 312 -3.61 0.78 but 195 -3.56 1.08 come 312 -3.52 0.72 body 312 -3.50 1.00 set 312 -3.48 1.14 car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.01 0.72 feet 195 -3.01 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24	did	238	-3.76	1.32
but 195 -3.56 1.08 come 312 -3.52 0.72 body 312 -3.50 1.00 set 312 -3.50 1.05 off 312 -3.48 1.14 car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.46 0.68 get 483 -3.41 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 a	him	238	-3.65	1.31
come 312 -3.52 0.72 body 312 -3.50 1.00 set 312 -3.50 1.05 off 312 -3.48 1.14 car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 t	way	312	-3.61	0.78
body 312 -3.50 1.00 set 312 -3.50 1.05 off 312 -3.48 1.14 car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.47 0.73 i	but	195	-3.56	1.08
set 312 -3.50 1.05 off 312 -3.48 1.14 car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 tr	come	312	-3.52	0.72
off 312 -3.48 1.14 car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 s	body	312	-3.50	1.00
car 195 -3.46 0.94 had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 f	set	312	-3.50	1.05
had 312 -3.46 0.68 get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48	off	312	-3.48	1.14
get 483 -3.44 1.31 she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.60 1.09 <td< td=""><td>car</td><td>195</td><td>-3.46</td><td>0.94</td></td<>	car	195	-3.46	0.94
she 1347 -3.41 0.77 too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.	had	312	-3.46	0.68
too 158 -3.41 1.23 rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.68 1.40 help 195 -2.64 0.59 food 195 -2.64 0.59 food 195 -2.64 0.59 food 195 -2.64 0.59 food 195 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.66 1.09 great 312 -2.55 0.56 tell 144 -2.55 0.56 tell 144 -2.55 0.56 tell 144 -2.55 0.56 tell 144 -2.55 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 1.31	get	483	-3.44	1.31
rock 312 -3.32 0.99 you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 0.56 tell 144 -2.54 1.27	she	1347	-3.41	0.77
you 158 -3.22 1.08 my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.55 0.56 <	too	158	-3.41	1.23
my 195 -3.11 0.72 feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.55 0.69	rock	312	-3.32	0.99
feet 195 -3.07 0.89 day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.55 0.69 trouble 230 -2.46 1.24	you	158	-3.22	1.08
day 208 -3.03 0.67 love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 0.56 tell 144 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 <t< td=""><td>my</td><td>195</td><td>-3.11</td><td>0.72</td></t<>	my	195	-3.11	0.72
love 194 -2.97 0.72 can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31	feet	195	-3.07	0.89
can't 254 -2.89 0.69 book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	day	208	-3.03	0.67
book 238 -2.82 0.76 ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	love	194	-2.97	0.72
ask 144 -2.76 1.24 hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	can't	254	-2.89	0.69
hit 205 -2.76 0.56 try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	book	238	-2.82	0.76
try 312 -2.75 1.38 rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	ask	144	-2.76	1.24
rest 194 -2.74 0.73 into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	hit	205	-2.76	0.56
into 483 -2.68 0.59 sum 194 -2.68 1.40 from 144 -2.65 1.48 help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	try	312	-2.75	1.38
sum194-2.681.40from144-2.651.48help195-2.640.59food195-2.601.09great312-2.551.50work312-2.550.56tell144-2.541.27own312-2.530.90stop238-2.520.69trouble230-2.461.24cut144-2.421.31look144-2.420.91	rest	194	-2.74	0.73
from144-2.651.48help195-2.640.59food195-2.601.09great312-2.551.50work312-2.550.56tell144-2.541.27own312-2.530.90stop238-2.520.69trouble230-2.461.24cut144-2.421.31look144-2.420.91	into	483	-2.68	0.59
help 195 -2.64 0.59 food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	sum	194	-2.68	1.40
food 195 -2.60 1.09 great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	from	144		1.48
great 312 -2.55 1.50 work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	help	195	-2.64	0.59
work 312 -2.55 0.56 tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	food	195	-2.60	
tell 144 -2.54 1.27 own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	great	312	-2.55	1.50
own 312 -2.53 0.90 stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	work	312	-2.55	0.56
stop 238 -2.52 0.69 trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	tell	144	-2.54	1.27
trouble 230 -2.46 1.24 cut 144 -2.42 1.31 look 144 -2.42 0.91	own	312	-2.53	0.90
cut 144 -2.42 1.31 look 144 -2.42 0.91	stop	238	-2.52	0.69
look 144 -2.42 0.91	trouble	230	-2.46	1.24
	cut	144	-2.42	1.31
list 238 -2.41 1.03	look	144	-2.42	0.91
	list	238	-2.41	1.03

this	312	-2.38	0.62
say	312	-2.29	0.62
don't	230	-2.92	1.43
bill	254	-2.25	0.52

class 194 -2.25 0.92 think 1109 -2.21 1.20 fly 254 -2.20 0.58 need 238 -2.19 0.85 fall 210 -2.18 0.50 have 312 -2.16 0.59 wish 194 -2.15 1.21 before 555 -2.11 0.50 has 550 -2.10 0.97 eat 195 -2.07 0.77 end 195 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 <tr< th=""><th>Word</th><th>Count</th><th>Measure</th><th>Mean Square Outfit</th></tr<>	Word	Count	Measure	Mean Square Outfit
fly	class	194	-2.25	0.92
need 238 -2.19 0.85 fall 210 -2.18 0.50 have 312 -2.16 0.59 wish 194 -2.15 1.21 before 555 -2.11 0.50 has 550 -2.10 0.97 eat 195 -2.07 0.77 end 195 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 0.76	think	1109	-2.21	1.20
fall 210 -2.18 0.50 have 312 -2.16 0.59 wish 194 -2.15 1.21 before 555 -2.11 0.50 has 550 -2.10 0.97 eat 195 -2.07 0.77 end 195 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76	fly	254	-2.20	0.58
have 312 -2.16 0.59 wish 194 -2.15 1.21 before 555 -2.11 0.50 has 550 -2.10 0.97 eat 195 -2.07 0.77 end 195 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 0.76	need	238	-2.19	0.85
wish 194 -2.15 1.21 before 555 -2.11 0.50 has 550 -2.10 0.97 eat 195 -2.07 0.77 end 195 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.87 reom 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 0.76	fall	210	-2.18	0.50
before 555	have	312	-2.16	0.59
has 550 -2.10 0.97 eat 195 -2.07 0.77 end 195 -2.07 0.84 now 238 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30	wish	194	-2.15	1.21
eat 195 -2.07 0.77 end 195 -2.07 0.84 now 238 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 1.14 room 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 Γm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.66 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64	before	555	-2.11	0.50
end 195 -2.07 0.84 now 238 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 Γ'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.66 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.51 yard	has	550	-2.10	0.97
now 238 -2.07 0.62 dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 1.14 room 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 <tr< td=""><td>eat</td><td>195</td><td>-2.07</td><td>0.77</td></tr<>	eat	195	-2.07	0.77
dropped 194 -2.05 0.62 keep 144 -2.05 0.87 men 144 -2.05 1.14 room 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -2.00 0.51 under 245 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 <	end	195	-2.07	0.84
keep 144 -2.05 0.87 men 144 -2.05 1.14 room 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 0.76 feal 440 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66	now	238	-2.07	0.62
men 144 -2.05 1.14 room 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.66 still 238 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64	dropped	194	-2.05	0.62
men 144 -2.05 1.14 room 144 -2.05 0.82 just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97	keep	144	-2.05	0.87
just 238 -2.03 0.78 are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.62 when 208 -1.71 0.89	men	144	-2.05	1.14
are 456 -2.00 0.97 family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205	room	144	-2.05	0.82
family 245 -2.00 0.51 all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	just	238	-2.03	0.78
all 158 -1.95 0.50 under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	are	456	-2.00	0.97
under 245 -1.94 0.62 moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	family	245	-2.00	0.51
moon 254 -1.93 0.76 fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	all	158	-1.95	0.50
fall 440 -1.93 1.00 small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	under	245	-1.94	0.62
small 1109 -1.93 0.76 read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	moon	254	-1.93	0.76
read 456 -1.90 1.13 tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64	fall	440	-1.93	1.00
tree 144 -1.85 0.88 other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64	small	1109	-1.93	0.76
other 312 -1.83 1.30 so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	read	456	-1.90	1.13
so 208 -1.83 0.84 stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	tree	144	-1.85	0.88
stay 506 -1.82 0.98 land 238 -1.81 0.81 good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	other	312	-1.83	1.30
land238-1.810.81good483-1.790.50six437-1.780.66I'm230-1.740.97name238-1.720.66still238-1.720.62when208-1.710.89back195-1.640.51yard205-1.640.77	SO	208	-1.83	0.84
good 483 -1.79 0.50 six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	stay	506	-1.82	0.98
six 437 -1.78 0.66 I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	land	238	-1.81	0.81
I'm 230 -1.74 0.97 name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	good	483	-1.79	0.50
name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	six	437	-1.78	0.66
name 238 -1.72 0.66 still 238 -1.72 0.62 when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	I'm	230	-1.74	0.97
when 208 -1.71 0.89 back 195 -1.64 0.51 yard 205 -1.64 0.77	name	238	-1.72	0.66
back 195 -1.64 0.51 yard 205 -1.64 0.77	still	238	-1.72	0.62
yard 205 -1.64 0.77	when	208	-1.71	0.89
yard 205 -1.64 0.77	back	195	-1.64	0.51
	yard	205	-1.64	0.77
	=	238	-1.62	0.67

door	312	-1.60	0.64
ship	312	-1.60	0.79
hand	195	-1.57	0.59
here	144	-1.57	0.57

Word	Count	Measure	Mean Square Outfit
number	2198	-1.55	0.66
about	2654	-1.54	0.58
boy	144	-1.50	0.74
that	158	-1.50	0.63
summer	194	-1.48	0.61
enter	312	-1.44	0.70
soon	238	-1.42	0.88
across	158	-1.41	0.83
hold	158	-1.41	0.95
best	312	-1.40	1.39
color	312	-1.40	1.07
wood	245	-1.37	0.71
may	550	-1.36	1.05
well	683	-1.34	0.85
left	312	-1.31	1.24
took	144	-1.27	0.67
people	550	-1.24	0.61
girl	678	-1.23	0.88
himself	158	-1.23	1.00
show	481	-1.23	0.60
them	158	-1.23	1.02
how	144	-1.20	0.98
myself	440	-1.20	0.76
open	641	-1.20	0.72
down	195	-1.19	0.51
old	158	-1.14	0.62
street	245	-1.14	0.74
woman	193	-1.14	0.76
bad	205	-1.13	1.18
cover	195	-1.10	0.87
told	238	-1.08	0.90
area	158	-1.04	0.63
clean	193	-1.04	0.75
like	245	-1.04	0.53
mark	158	-1.04	1.03
problem	312	-1.04	0.74
put	312	-1.04	0.79
-		1.00	
park	416	-1.02	0.76

might	312	-0.99	0.74
zone	243	-0.99	1.32
are	210	-0.97	1.36
big	158	-0.94	0.87

could 158 -0.94 1.03 rain 194 -0.94 0.92 seeds 193 -0.94 0.80 train 194 -0.94 0.78 ball 194 -0.90 0.79 new 312 -0.89 0.62 long 144 -0.86 0.64 stick 193 -0.84 1.08 yellow 223 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.58	Word	Count	Measure	Mean Square Outfit
seeds 193 -0.94 0.78 train 194 -0.94 0.78 ball 194 -0.90 0.79 new 312 -0.89 0.62 long 144 -0.86 0.64 stick 193 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.52 morning 312 -0.79 0.52 morning 312 -0.79 0.52 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 <td></td> <td></td> <td>-0.94</td> <td></td>			-0.94	
train 194 -0.94 0.78 ball 194 -0.90 0.79 new 312 -0.89 0.62 long 144 -0.86 0.64 stick 193 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.21 same 144 -0.68 0.80 yet 255 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 fell 223 -0.59 0.67 important 144 -0.59 0.70 important 312 -0.56 0.91	rain			
ball 194 -0.90 0.79 new 312 -0.89 0.62 long 144 -0.86 0.64 stick 193 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54	seeds	193	-0.94	0.80
new 312 -0.89 0.62 long 144 -0.86 0.64 stick 193 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.52 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56	train	194	-0.94	
long 144 -0.86 0.64 stick 193 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.89 large 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 0.80 <td>ball</td> <td>194</td> <td>-0.90</td> <td>0.79</td>	ball	194	-0.90	0.79
stick 193 -0.84 1.08 yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.52 morning 312 -0.79 0.52 large 312 -0.79 0.52 morning 312 -0.79 0.53 large 312 -0.79 0.53 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56	new	312	-0.89	0.62
yellow 223 -0.84 0.88 sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.8	long	144	-0.86	0.64
sea 245 -0.83 0.61 than 158 -0.83 0.60 along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 0.66 <	stick	193	-0.84	1.08
than 158	yellow	223	-0.84	0.88
along 195 -0.81 1.07 feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.15 move	sea	245	-0.83	0.61
feel 245 -0.80 0.70 test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.15 move 245 -0.62 1.50	than	158	-0.83	0.60
test 254 -0.80 0.96 enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 0.66 team 2223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 important 144 -0.59 0.70 important 141 -0.59 0.70 important 142 -0.59 0.70 important 144 -0.59 0.70 important 144 -0.59 0.70 important 144 -0.59 0.70 important 144 -0.59 0.70 important 1312 -0.56 0.91	along	195	-0.81	1.07
enough 312 -0.79 0.89 large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 <	feel	245	-0.80	0.70
large 312 -0.79 0.52 morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.66 1.42 below 403 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	test	254	-0.80	0.96
morning 312 -0.79 0.73 low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 0.67 part 144 -0.59 0.70	enough	312	-0.79	0.89
low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 0.91	large	312	-0.79	0.52
low 144 -0.77 0.85 better 210 -0.77 0.58 game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 0.91	morning	312	-0.79	0.73
game 254 -0.72 0.60 word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 0.91	_	144	-0.77	0.85
word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	better	210	-0.77	0.58
word 158 -0.71 1.12 house 195 -0.70 0.56 black 144 -0.68 0.54 nothing 194 -0.68 0.80 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	game	254	-0.72	0.60
black 144 -0.68 0.54 nothing 194 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	word	158	-0.71	1.12
nothing 194 -0.68 1.21 same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	house	195	-0.70	0.56
same 144 -0.68 0.80 yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	black	144	-0.68	0.54
yet 254 -0.68 1.08 happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	nothing	194	-0.68	1.21
happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	same	144	-0.68	0.80
happen 238 -0.67 0.66 team 223 -0.67 1.48 please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	yet	254	-0.68	1.08
team please 193 -0.66 1.42 below 403 -0.62 1.45 move 245 pick 243 -0.62 felt 254 -0.61 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until	•	238	-0.67	0.66
below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91		223	-0.67	1.48
below 403 -0.62 1.45 move 245 -0.62 1.11 pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	please	193	-0.66	1.42
pick 243 -0.62 1.50 felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	-	403	-0.62	1.45
felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	move	245	-0.62	1.11
felt 254 -0.61 1.18 feeling 223 -0.59 1.01 maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	pick	243	-0.62	1.50
maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	-	254	-0.61	1.18
maybe 223 -0.59 0.67 part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	feeling	223		
part 144 -0.59 0.70 important 312 -0.56 1.36 until 312 -0.56 0.91	_	223	-0.59	0.67
important 312 -0.56 1.36 until 312 -0.56 0.91	_	144	-0.59	0.70
until 312 -0.56 0.91	*	312	-0.56	1.36
world 245 -0.52 1.40	*	312	-0.56	
	world	245	-0.52	1.40

inside	194	-0.50	0.58
always	451	-0.48	0.59
who	451	-0.48	0.78
boom	243	-0.46	1.07

east they 195 -0.46 1.43 they wheels 194 -0.45 1.15 every 312 -0.44 0.62 music 520 -0.42 1.29 anyone 210 -0.42 0.91 farming 243 -0.42 1.48 deep 254 -0.41 0.56 wall 194 -0.41 0.56 wall 194 -0.41 0.56 wall 194 -0.41 0.57 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.28 0.56 find 144 -0.28 0.56 find 155 0.09 find 155 0.09 0.63 income 243 0.62 boat 254 0.22 0.70 mass 243 0.62 boat 254 0.22 0.70 mass 243 0.62 boat 254 0.20 0.63 income 243 0.20 0.20 0.63 income 243 0.20 0.20 0.63 income 243 0.20 0.20 0.20 0.20 inc	Word	Count	Measure	Mean Square Outfit
wheels	east	205	-0.46	1.43
every 312 -0.44 0.62 music 520 -0.42 1.29 anyone 210 -0.42 0.91 farming 243 -0.42 1.48 deep 254 -0.41 0.56 wall 194 -0.41 0.87 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.56 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.16 0.67 mass 243 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.16 0.67 mass 243 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.16 0.67 mass 243 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.16 0.67 mass 243 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.59 branch 243 -0.06 0.59 branch 243 -0.06 0.59	they	195	-0.46	0.57
music 520 -0.42 1.29 anyone 210 -0.42 0.91 farming 243 -0.42 1.48 deep 254 -0.41 0.56 wall 194 -0.41 0.87 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70	wheels	194	-0.45	1.15
anyone farming 243 -0.42 1.48 deep 254 -0.41 0.56 wall 194 -0.41 0.87 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 income 243 -0.20 0.63 income 195 -0.19 0.56 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.09 0.91 life 144 -0.09 0.59 branch 243 -0.09 0.91 life	every	312	-0.44	0.62
farming 243 -0.42 1.48 deep 254 -0.41 0.56 wall 194 -0.41 0.87 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 1.21 watch 195 -0.33 1.21 watch 195 -0.33 1.21 watch 195 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70	music	520	-0.42	1.29
deep 254 -0.41 0.56 wall 194 -0.41 0.87 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 0.95 really 230 -0.25 0.95 really 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 0.58 full 194 -0.23 0.62 boat 254 -0.22 0.70	anyone	210	-0.42	0.91
wail 194 -0.41 0.87 week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.22 0.70 mass 243 -0.20 0.63 </td <td>farming</td> <td>243</td> <td>-0.42</td> <td>1.48</td>	farming	243	-0.42	1.48
week 254 -0.38 0.53 forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 0.95 bair 864 -0.24 1.05	deep	254	-0.41	0.56
forest 194 -0.36 0.84 step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.22 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62	wall	194	-0.41	0.87
step 208 -0.36 1.06 side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 <	week	254	-0.38	0.53
side 195 -0.33 1.21 watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.56 become 195 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67	forest	194	-0.36	0.84
watch 195 -0.33 0.69 picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.62	step	208	-0.36	1.06
picked 194 -0.32 0.60 find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.06 0.69 rich 193 -0.09 0.128	side	195	-0.33	1.21
find 144 -0.28 0.56 river 144 -0.28 0.72 getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 <td>watch</td> <td>195</td> <td>-0.33</td> <td>0.69</td>	watch	195	-0.33	0.69
river getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	picked	194	-0.32	0.60
getting 230 -0.25 0.95 really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59	find	144	-0.28	0.56
really 230 -0.25 1.09 corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	river	144	-0.28	0.72
corner 205 -0.24 0.58 hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.06 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	getting	230	-0.25	0.95
hair 864 -0.24 1.05 full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	really	230	-0.25	1.09
full 194 -0.23 0.62 boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.89 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	corner	205	-0.24	0.58
boat 254 -0.22 0.70 mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	hair	864	-0.24	1.05
mass 243 -0.20 0.63 income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.89 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	full	194	-0.23	0.62
income 243 -0.20 0.63 any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	boat	254	-0.22	0.70
any 195 -0.19 0.56 become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 0.91 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	mass	243	-0.20	0.63
become 195 -0.19 0.70 plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	income	243	-0.20	0.63
plant 158 -0.19 0.89 those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	any	195	-0.19	0.56
those 144 -0.18 0.65 money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	become	195	-0.19	0.70
money 238 -0.17 0.76 fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	plant	158	-0.19	0.89
fell 223 -0.16 0.67 mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	those	144	-0.18	0.65
mass 243 -0.16 0.62 dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	money	238	-0.17	0.76
dollars 193 -0.09 0.69 rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	fell	223	-0.16	0.67
rich 193 -0.09 1.28 visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	mass	243	-0.16	0.62
visit 193 -0.09 0.91 life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	dollars	193	-0.09	0.69
life 144 -0.06 0.54 there 144 -0.06 0.59 branch 243 -0.06 0.59	rich	193	-0.09	1.28
there 144 -0.06 0.59 branch 243 -0.06 0.59	visit	193	-0.09	0.91
branch 243 -0.06 0.59	life	144	-0.06	0.54
	there	144	-0.06	0.59
children 312 -0.05 1.33	branch	243	-0.06	0.59
	children	312	-0.05	1.33

America	245	-0.04	1.28
north	245	-0.04	0.59
branch	243	-0.03	0.60
mouth	205	-0.03	1.33
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Word	Count	Measure	Mean Square Outfit
question	195	-0.03	0.51
seven	205	-0.03	0.92
halt	310	0.00	1.00
blow	205	0.04	1.28
dark	194	0.04	1.14
dusty	243	0.04	0.65
express	205	0.04	0.81
leave	245	0.04	0.78
spend	243	0.04	1.09
would	367	0.04	1.08
lie	193	0.05	1.14
sharp	193	0.05	0.65
check	194	0.09	1.34
together	238	0.12	0.64
didn't	210	0.12	1.30
anything	254	0.13	1.12
between	195	0.13	0.75
few	195	0.13	0.92
where	195	0.13	0.77
timeline	243	0.16	1.05
trouble	205	0.17	1.07
letter	144	0.18	0.84
loud	193	0.19	1.13
found	627	0.22	0.83
crops	205	0.23	1.38
drawing	205	0.23	1.22
flat	205	0.23	0.88
learn	238	0.23	0.95
road	208	0.23	1.29
slowly	245	0.24	0.84
less	254	0.25	0.67
wife	193	0.25	0.54
case	194	0.27	1.10
knew	230	0.28	0.74
marsh	243	0.28	0.79
without	245	0.28	0.64
young	208	0.28	1.34
passed	144	0.31	0.82
another	195	0.32	0.58

does	440	0.32	0.62
easy	245	0.32	0.51
hunting	223	0.34	1.44
herself	238	0.35	0.53

Word	Count	Measure	Mean Square Outfit
ground	208	0.36	0.52
father	440	0.38	0.65
amount	864	0.39	0.66
follow	245	0.40	0.51
grain	243	0.40	1.15
travel	245	0.40	0.58
insects	205	0.42	1.01
trails	243	0.42	0.85
begin	389	0.44	0.77
however	144	0.44	1.19
age	864	0.45	0.76
bring	254	0.45	0.71
garden	193	0.45	0.54
report	193	0.45	0.83
history	223	0.46	0.58
trails	243	0.46	0.86
once	238	0.47	1.18
study	238	0.47	0.96
information	205	0.48	1.00
power	194	0.50	0.58
trade	448	0.50	0.61
students	223	0.52	1.05
truck	223	0.52	0.65
isn't	223	0.57	0.74
matter	254	0.61	0.90
eight	193	0.63	0.71
stream	193	0.63	0.79
ready	254	0.65	1.28
waves	245	0.65	1.41
pole	205	0.66	0.86
rather	205	0.66	0.61
born	223	0.68	0.81
journal	230	0.70	0.48
wait	312	0.71	1.20
both	238	0.73	0.96
warm	254	0.73	1.03
complete	144	0.74	0.96
paint	194	0.74	1.35
point	144	0.74	0.89

shape	254	0.77	0.55
cannot	194	0.79	0.79
size	194	0.79	0.59
string	205	0.83	1.35

Word	Count	Measure	Mean Square Outfit
child	223	0.84	0.68
cloud	448	0.85	1.05
early	483	0.87	0.77
taxes	243	0.87	1.01
guess	205	0.88	1.02
inflate	243	0.92	0.82
object	194	0.94	0.84
rule	194	0.94	0.77
clear	254	0.98	0.58
square	254	0.98	0.74
crowd	205	0.99	0.72
degree	243	1.01	0.68
scale	864	1.03	0.99
second	245	1.06	1.37
hours	144	1.08	1.13
vowel	144	1.08	0.58
sense	205	1.10	0.67
lovable	230	1.13	0.65
subject	254	1.14	0.73
while	440	1.14	1.50
radio	223	1.18	0.54
thought	238	1.18	0.56
hurricane	243	1.19	0.64
sure	403	1.19	0.67
terror	243	1.19	0.73
compare	205	1.21	0.75
base	245	1.25	1.17
ago	254	1.27	0.69
weight	223	1.27	1.04
page	144	1.28	0.90
single	205	1.31	0.80
suddenly	254	1.31	0.99
followed	208	1.32	0.78
through	230	1.34	1.06
difference	194	1.34	1.25
pair	194	1.34	0.57
ahead	223	1.36	0.65
members	254	1.36	0.86
English	208	1.37	1.05

landed	208	1.37	0.62
even	158	1.38	1.36
cattle	193	1.39	0.80
believe	254	1.40	0.61
cattle	193	1.39	0.8

Table 3 (Continued)

Words Retained for Word Reading Fluency Item Bank, Organized by Measure

Word	ord Reading Fluency Item Count	Measure	Mean Square Outfit
probably	194	1.45	0.88
serve	223	1.45	1.30
fossil	210	1.49	0.64
caught	223	1.54	0.58
heavy	194	1.55	0.61
reached	245	1.56	1.05
control	193	1.58	0.64
president	205	1.61	0.96
sight	193	1.62	1.49
strange	193	1.62	1.15
return	254	1.66	0.62
realize	230	1.66	0.57
practice	193	1.67	0.73
invade	243	1.70	0.78
branches	205	1.75	0.81
equal	205	1.75	0.91
movement	205	1.75	1.22
poem	205	1.75	0.95
printed	223	1.75	0.80
rise	193	1.76	0.94
protest	243	1.76	1.16
unhappiness	230	1.77	0.77
action	223	1.79	0.74
force	254	1.79	1.06
uncle	223	1.79	1.41
protest	243	1.81	1.23
terms	223	1.83	1.15
exciting	448	1.85	0.97
mind	194	1.88	0.77
suppose	193	1.94	0.64
thick	193	1.94	0.80
captain	223	1.95	1.18
shoulder	416	1.95	0.99
chance	223	1.99	0.84
human	223	1.99	1.01
community	210	2.00	0.51
general	230	2.02	0.56
blood	193	2.03	0.63
coast	193	2.03	1.49

special	194	2.05	0.59
business	223	2.07	0.71
fair	223	2.07	1.28
lifted	223	2.07	1.31

Table 3 (Continued)

Words Retained for Word Reading Fluency Item Bank, Organized by Measure

Word	Count	Measure	Mean Square Outfit
capital	223	2.11	1.05
governor	230	2.21	0.83
settled	223	2.22	1.29
electric	205	2.24	0.59
interesting	205	2.24	0.94
canyon	243	2.25	1.34
understand	254	2.27	0.50
silent	205	2.28	0.68
tube	223	2.33	1.18
value	205	2.33	0.95
course	402	2.34	1.00
entered	193	2.36	1.42
spread	193	2.36	0.69
territory	230	2.37	0.71
experiment	205	2.37	1.07
famous	205	2.37	0.50
independent	230	2.41	0.61
brought	254	2.45	0.84
island	254	2.45	1.04
statement	193	2.48	0.74
federal	243	2.50	0.86
resources	243	2.58	0.75
current	223	2.59	1.07
straight	193	2.60	0.62
factories	223	2.62	1.22
company	223	2.66	1.02
increase	223	2.69	0.92
century	243	2.70	0.96
astronaut	210	2.70	0.69
military	210	2.70	0.84
duty	243	2.76	1.11
science	193	2.76	1.09
wire	193	2.76	0.98
among	194	2.87	0.95
mulch	210	2.89	1.50
predict	243	2.93	1.01
property	223	2.93	1.36
Japanese	193	2.95	1.10
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legal	243	3.01	1.11
observe	223	3.03	1.43
system	254	3.12	1.19
direct	223	3.20	1.21

Table 3 (Continued)

Words Retained for Word Reading Fluency Item Bank, Organized by Measure

Word	Count	Measure	Mean Square Outfit
senior	243	3.20	0.80
urban	243	3.20	1.09
confusion	210	3.27	0.77
direction	254	3.31	0.56
adapt	243	3.44	1.24
opinion	210	3.56	0.73
received	193	3.61	0.72
rhythm	193	3.68	0.89
indicate	205	3.76	1.25
planets	193	3.83	0.95
supply	205	3.87	1.28
crisis	243	3.96	1.20
produce	208	4.09	1.11
cultivate	243	4.11	1.30
period	193	4.24	0.69
irrigate	243	4.41	1.00
divided	254	4.65	0.66
deception	210	4.70	1.14
thousands	254	4.76	0.76
commercial	243	4.78	1.31
though	254	5.33	1.37
compromise	210	5.36	1.19

Results of the Passage Reading Fluency Pilot Testing

Descriptive statistics from the first grade Passage Reading Fluency pilot study are presented in Table 4. Table 5 shows the correlations between the first grade Passage Reading Fluency measures. Table 6 presents descriptive statistics from the second grade Passage Reading Fluency pilot, while Table 7 shows the correlations between the second grade Passage Reading Fluency measures. Table 8 presents descriptive statistics from the third grade Passage Reading Fluency; Table 9 shows the correlations between those measures. Table 10 presents descriptive

statistics from the fourth grade Passage Reading Fluency pilot; Table 11 shows the correlations between those measures.

Table 4
Descriptive Statistics for Grade 1 Passage Reading Measures

Passage	Title	n	M	SD
Gr1PR_1_C	The New Puppy	60.94	40.00	207
Gr1PR_2_C	Ice Cream Treat	62.98	37.31	205
Gr1PR_3_C	Patty the Pig	55.79	34.76	204
Gr1PR_4_C	The Dog Show	62.20	37.65	205
Gr1PR_5_C	Trains	57.73	36.96	206
Gr1PR_6_C	The Best Story Ever	63.44	42.30	206
Gr1PR_7_C	Making a Pizza	71.17	38.99	206
Gr1PR_8_C	Ocean Fish	59.60	35.70	206
Gr1PR_9_C	The Puppy	58.99	36.23	201
Gr1PR_10_C	The Airplane Ride	64.14	39.44	201
Gr1PR_11_C	The Story for Mom	60.97	40.87	201
Gr1PR_12_C	Loose Tooth	56.11	38.61	200
Gr1PR_13_C	A Prized Garden	62.40	35.52	203
Gr1PR_14_C	The Lake	55.44	36.52	204
Gr1PR_15_C	The Swing	67.68	40.42	204
Gr1PR_16_C	Play Ball	60.18	37.93	202
Gr1PR_17_C	Sick Day	61.14	39.07	195
Gr1PR_18_C	Hannah the Hamster	63.73	40.13	195
Gr1PR_19_C	Playful Sam	60.70	38.99	195
Gr1PR_20_C	The Fair	64.23	41.37	195

Results of Repeated Measures Analysis Across All 20 Passages

Crand Maan	Grand Mean Standard Error	95% Confidence Interval					
Grand Mean	Standard Error	Lower Bound	Upper Bound				
63.43	2.89	57.73	69.12				

Table 5

Grade 1 Passage Reading Correlations between Passages ** p < .001

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1																			
2	.95** 205	1																		
3	.95** 204	.95** 204	1																	
4	.96** 205	.96** 204	.96** 204	1																
5	.96** 203	.95** 202	.95** 201	.96** 202	1															
6	.93** 203	.93** 202	.92** 201	.94** 202	.94** 206	1														
7	.93** 203	.92** 202	.91** 201	.93** 202	.94** 206	.91** 206	1													
8	.95** 203	.95** 202	.95** 201	.96** 202	.96** 206	.93** 206	.94** 206	1												
9	.92** 197	.92** 202	.92** 195	.93** 196	.93** 199	.91** 199	.91** 199	.93** 199	1											
10	.93** 197	.93** 196	.93** 195	.94** 196	.93** 199	.91** 199	.91** 199	.94** 199	.92** 200	1										
11	.93**	.93**	.93**	.93**	.93**	.92**	.90**	.93**	.91**	.96**	1									
12	197 .93**	196 .94**	195 .92**	196 .93**	199 .92**	199 .92**	199 .89**	199 .93**	200 .92**	201 .97**	.96**	1								
13	196 .92**	195 .92**	194 .92**	195 .92**	198 .92**	198 .91**	198 .91**	198 .92**	199 .91**	200 .95**	200 .95**	.96**	1							
14	199 .91**	198 .91**	197 .91**	198 .92**	201 .91**	201 .91**	201 .88**	201 .91**	198 .90**	198 .95**	198 .94**	197 .96**	.94**	1						
15	200 .92**	199 .93**	198 .92**	199 .94**	202 .93**	202 .92**	202 .91**	202 .93**	199 .91**	199 .96**	199 .95**	198 .97**	203 .96**	.96**	1					
16	200 .94**	199 .94**	198 .93**	199 .94**	202 .93**	202 .92**	202 .91**	202 .94**	199 .92**	199 .96**	199 .96**	198 .96**	203 .95**	204 .96**	.97**	1				
17	198 .91**	197 .92**	196 .93**	197 .93**	200 .92**	200 .89**	200 .90**	200 .93**	197 .91**	197 .93**	197 .94**	196 .95**	201 .96**	202 .95**	202 .95**	.95**	1			
	190 .91**	189 .90**	188 .91**	189 .90**	192 .91**	192 .89**	192 .89**	192 .91**	188 .88**	188 .93**	188 .93**	187 .93**	191 .94**	192 .93**	192 .94**	190 .94**	.92**	1		
18	190 .95**	189 .94**	188 .94**	189 .94**	192 .94**	192 .92**	192 .92**	192 .94**	188 .92**	188 .96**	188 .96**	187 .96**	191 .95**	192 .96**	192 .97**	190 .97**	195 .95**	.94**	1	
19	190 .94**	189 .94**	189 .94**	189 .94	192 .94**	192 .93**	192 .92**	192 .94**	188 .92**	188 .96**	188 .96	187 .96**	191 .96**	192 .95**	192 .96**	190 .96**	195 .94**	195 .94**	.97**	
20	190	189	189	189	192	192	192	192	188	188	188	187	191	192	192	190	195	195	195	1

Table 6
Descriptive Statistics for Grade 2 Passage Reading Measures

Passage	Title	n	M	SD
Gr2PR_1_C	Ebony	183	90.97	41.93
Gr2PR_2_C	Jessie's Adventure	184	101.23	44.08
Gr2PR_3_C	Emily's Day at Home	184	109.99	43.35
Gr2PR_4_C	Jake's New Bike	184	93.61	42.90
Gr2PR_5_C	Moving to a New House	184	102.98	46.82
Gr2PR_6_C	The Magic Show	184	103.67	44.10
Gr2PR_7_C	Music	184	86.89	39.87
Gr2PR_8_C	The Fastest Bird	184	106.27	47.75
Gr2PR_9_C	Baking Cookies	181	111.30	42.77
Gr2PR_10_C	No More School	180	87.85	37.52
Gr2PR_11_C	Summer Cash	180	97.37	41.64
Gr2PR_12_C	The Contest	178	88.70	41.97
Gr2PR_13_C	Salty Breakfast	177	91.56	38.44
Gr2PR_14_C	The Winter Play	177	100.34	43.23
Gr2PR_15_C	Time for Bed	177	100.69	43.44
Gr2PR_16_C	Emily's New Bike	177	105.95	44.59
Gr2PR_17_C	Soccer Ball	171	109.25	46.84
Gr2PR_18_C	The Spelling Bee	171	81.08	34.70
Gr2PR_19_C	Tom's Team	172	102.53	39.26
Gr2PR_20_C	Brian's Dream	173	87.26	44.07

Results of Repeated Measures Analysis Across All 20 Passages

Crand Maan	rand Mean Standard Error	95% Confidence Interval					
Grand Mean	Standard Error	Lower Bound	Upper Bound				
98.73	3.2	92.41	105.05				

Table 7

Grade 2 Passage Reading Correlations between Passages ** p < 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1																			
2	.92** 183	1																		
3	.93** 183	.94** 184	1																	
4	.93** 183	.94** 184	.94** 184	1																
5	.91** 182	.93** 183	.93** 183	.94** 183	1															
6	.92** 182	.94** 183	.95** 183	.95** 183	.94** 184	1														
7	.93** 182	.92** 183	.93** 183	.95** 183	.92** 184	.95** 184	1													
8	.93** 182	.93** 183	.94** 183	.96** 183	.93** 184	.96** 184	.95** 184	1												
9	.92** 180	.93** 181	.94** 181	.95** 181	.93** 180	.95** 180	.94** 180	.94** 180	1											
10	.92** 179	.92** 180	.93** 180	.94** 180	.92** 179	.94** 179	.94** 179	.94** 179	.95** 180	1										
11	.91** 179	.91** 180	.92** 180	.94** 180	.92** 179	.94** 179	.94** 179	.94** 179	.94** 180	.95** 180	1									
12	.92**	.92**	.93**	.95**	.92**	.94**	.94**	.95**	.94**	.96**	.95**	1								
13	177 .90**	178 .90**	178 .91**	178 .91**	177 .90**	177 .92**	177 .91**	177 .92**	178 .91**	178 .91**	178 .91**	.91**	1							
14	176 .91**	177 .93**	177 .94**	177 .94**	176 .91**	176 .94**	176 .93**	176 .94**	177 .94**	177 .94**	177 .93**	175 .93**	.93**	1						
15	176 .93**	177 .93**	177 .95**	177 .95**	176 .92**	176 .94**	176 .94**	176 .95**	177 .95**	177 .94**	177 .94**	175 .95**	176 .93**	.96**	1					
16	176 .91**	177 .92**	177 .94**	177 .94**	176 .92**	176 .94**	176 .93**	176 .94**	177 .93**	177 .92**	177 .93**	175 .93**	176 .92**	177 .95**	.95**	1				
17	176 .90**	177 .91**	177 .92**	177 .93**	176 .91**	176 .94**	176 .93**	176 .95**	177 .92**	177 .94**	177 .94**	175 .95**	176 .91**	177 .93**	177 .94**	.93**	1			
	170 .91**	171 .91**	171 .91**	171 .93**	171 .89**	171 .93**	171 .92**	171 .93**	170 .91**	170 .92**	170 .92**	169 .93**	169 .89**	169 .91**	169 .93**	169 .91**	.94**	1		
18	170 .92**	171 .93**	171 .93**	171 .93**	171 .92**	171 .94**	171 .93**	171 .94**	170 .93**	170 .94**	170 .93**	169 .93**	169 .91**	169 .94**	169 .94**	169 .92**	170 .94**	.93**		
19	171 .93**	172 .92**	172 .92**	172 .94**	172 .92**	172 .95**	172 .96**	172 .95**	171 .94**	171 .94**	171 .95**	171 .95**	169 .92**	169 .93**	169 .95**	169 .93**	170 .95**	170 .94**	1 .94**	
20	172	173	173	173	173	173	173	173	172	172	172	171	170	170	170	170	171	171	172	1

Table 8
Descriptive Statistics for Grade 3 Passage Reading Measures

Passage	Title	n	M	SD
Gr3PR_1_C	Susan's New School	239	128.79	39.00
Gr3PR_2_C	Sara's Fun Visit	240	131.38	44.29
Gr3PR_3_C	Horses at the Fair	241	125.15	39.18
Gr3PR_4_C	Ben's Truck	240	127.55	43.61
Gr3PR_5_C	Surprise Sandwiches	242	128.55	36.85
Gr3PR_6_C	Swiming	243	131.77	40.99
Gr3PR_7_C	Boring Weekends	243	121.67	43.07
Gr3PR_8_C	Birthday Wishes	243	124.92	40.79
Gr3PR_9_C	A Special Bike	239	126.45	39.93
Gr3PR_10_C	The New Puppy	240	118.22	38.49
Gr3PR_11_C	Childhood Dreams	239	103.28	41.57
Gr3PR_12_C	The Perfect Instrument	240	121.64	40.47
Gr3PR_13_C	The Breaking Story	237	118.58	39.99
Gr3PR_14_C	The Dream House	237	124.06	41.83
Gr3PR_15_C	American Sports	237	110.19	37.67
Gr3PR_16_C	The Backpacking Trip	236	119.29	40.80
Gr3PR_17_C	The Garden	231	116.26	37.23
Gr3PR_18_C	Abby's Birthday	230	126.10	39.16
Gr3PR_19_C	Sammy the Shark	231	143.02	45.36
Gr3PR_20_C	Mike's Red Sneakers	231	119.28	44.62

Results of Repeated Measures Analysis Across All 20 Passages

Grand Mean	Standard Error	95% Confidence Interval			
	Standard Error	Lower Bound	Upper Bound		
124.55	2.60	119.43	129.68		

Table 9

_	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1																			
2	.94** 239	1																		
3	.93** 239	.95** 240	1																	
4	.92** 238	.93** 239	.93** 240	1																
5	.92** 234	.91** 235	.92** 236	.91** 235	1															
6	.91** 235	.92** 236	.92** 237	.90** 236	.92** 242	1														
7	.92** 235	.92** 236	.93** 237	.90** 236	.92** 242	.93** 243	1													
8	.91** 235	.90** 236	.91** 237	.88** 236	.90** 242	.91** 243	.93** 243	1												
9	.92** 228	.92** 229	.91** 230	.89** 229	.91** 233	.90** 234	.93** 234	.92** 234	1											
10	.80** 228	.81** 229	.81** 230	.77** 229	.78** 233	.79** 234	.83**	.82**	.85** 238	1										
11	.82** 227	.83** 228	.82** 229	.82** 228	.81** 232	.81** 233	.86**	.83**	.86** 237	.91** 239	1									
12	.84** 228	.84** 229	.84** 230	.82** 229	.81** 233	.82** 234	.86**	.83** 234	.87** 238	.92** 240	.94** 239	1								
13	.84** 224	.85** 225	.84** 226	.83** 225	.82** 228	.83**	.86** 229	.84** 229	.86** 231	.89** 233	.93**	.92** 233	1							
14	.84**	.85**	.84**	.83**	.82**	.84**	.87**	.85**	.87**	.91**	.93**	.92**	.94**	1						
15	224 .79**	225 .82**	226 .80**	225 .78**	228 .77**	229 .80**	229 .82**	229 .81**	231 .84**	233 .87**	232 .90*	233	237 .94**	.93**	1					
16	224 .83**	225 .85**	226 .83**	225 .81**	228 .80**	229 .82**	229 .84**	229 .83**	231 .85**	233	232 .93**	233 .92**	237 .94**	237 .93**	.93**	1				
17	223 .79**	224 .81**	225 .80**	224 .79**	227 .78**	228 .79**	228 .83**	228 .81**	230 .83**	232 .90**	231 .91**	232 .88**	236 .93**	236 .92**	236 .91**	.92**	1			
18	219 .82**	220 .83**	221 .83**	220 .81**	224 .79**	225 .81**	225 .84**	225 .82**	223 .85**	225 .89**	224 .91**	225 .91**	225 .92**	225 .92**	225 .89**	224 .90**	.90**	1		
19	218 .82**	219 .84**	220 .83**	219 .82**	223 .81**	224 .83**	224 .85**	224 .83**	222 .84**	224 .90**	223 .92**	224 .90**	224 .93**	224 .93**	224 .92**	223 .92**	230 .91**	.93**	1	
20	219 .83**	220 .84**	221 .84**	220 .83**	224 .82**	225 .83**	225 .87**	225 .84**	223 .86**	225 .92**	224 .94**	225 .92**	225 .94**	225 .94**	225 .92**	224 .93**	231 .93**	230 .94**	.95**	1
20	219	220	221	220	224	225	225	225	223	225	224	225	225	225	225	224	231	230	231	

Table 10
Descriptive Statistics for Grade 4 Passage Reading Measures

Passage	Title	n	M	SD
Gr4PR_1_C	Birthday Surprise	207	134.82	35.00
Gr4PR_2_C	Amusement Park	208	139.96	37.74
Gr4PR_3_C	Farm Dog Goes to Town	208	135.29	36.77
Gr4PR_4_C	A Day of Celebration	208	137.56	38.45
Gr4PR_5_C	Billy's Garden with Grandpa	204	143.63	38.65
Gr4PR_6_C	Maria's Secret Friend	204	130.35	34.83
Gr4PR_7_C	Lisa Gets to Drive	204	139.11	42.22
Gr4PR_8_C	Toni the Shark	203	132.88	39.62
Gr4PR_9_C	Marta's New Sweater	203	139.84	41.27
Gr4PR_10_C	Back to School	203	132.83	38.68
Gr4PR_11_C	The Perfect Present	200	131.39	36.65
Gr4PR_12_C	The Perfect Assignment	200	136.51	40.32
Gr4PR_13_C	President David	198	141.40	38.44
Gr4PR_14_C	Above the Clouds	199	138.70	37.68
Gr4PR_15_C	Super Powers	198	131.42	38.79
Gr4PR_16_C	A Friend for Jared	199	131.19	42.27
Gr4PR_17_C	Fieldtrip to the Zoo	196	139.05	42.69
Gr4PR_18_C	Hurt Feelings	195	136.56	39.41
Gr4PR_19_C	Billy and Spike	195	135.96	44.92
Gr4PR_20_C	The Rainy Day Jar	195	136.76	43.55

Results of Repeated Measures Analysis Across All 20 Passages

Grand Mean	Standard Emon	95% Confidence Interval				
	Standard Error	Lower Bound Upper Bound				
136.81	2.78	131.34	142.29			

Table 11

Grade 4 Passage Reading Correlations between Passages ** p< .00.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1																			
2	.94** 207	1																		
3	.92** 207	.93** 208	1																	
4	.93** 207	.94** 208	.93** 208	1																
5	.92** 202	.92** 203	.93** 203	.92** 203	1															
6	.91**	.90**	.91**	.93**	.91**	1														
7	202 .92**	203 .93**	203 .94**	203 .94**	204 .93**	.92**	1													
8	202 .92**	203 .93**	203 .93**	203 .94**	204 .93**	204 .92**	.95**	1												
	201 .91**	202 .91**	202 .92**	202 .92**	203 .89**	203 .90**	203 .92**	.92**	1											
9	201 .83**	202 .85**	202 .88**	202 .86**	202 .86**	202 .85**	202 .88**	201 .89**	.87**											
10	201 .85**	202 .86**	202 .87**	202 .87**	200 .86**	200 .87**	200	199 .88**	201 .88**	1 .95**										
11	197	198	198	198	196	196	196	195	197	199	1									
12	.85** 197	.87** 198	.88** 198	.87** 198	.87** 196	.86** 196	.89** 196	.89** 195	.87** 197	.95** 199	.94** 200	1								
13	.90** 195	.90** 196	.90** 196	.92** 196	.89** 193	.88** 193	.90** 193	.90** 192	.88** 193	.92** 195	.92** 196	.94** 196	1							
14	.84** 196	.87** 197	.85** 197	.88** 197	.83** 194	.85** 194	.87** 194	.86** 193	.84** 194	.89** 196	.90** 197	.91** 197	.91** 198	1						
15	.86** 195	.86** 196	.88** 196	.88** 196	.86** 193	.86** 193	.87** 193	.88** 192	.87** 193	.93** 195	.93** 196	.93** 196	.93** 197	.91** 198	1					
16	.85** 196	.87** 197	.86** 197	.89** 197	.85** 194	.86** 194	.87** 194	.88** 193	.85** 194	.92** 196	.92** 197	.93** 197	.93** 198	.92** 199	.95** 198	1				
17	.87**	.88**	.86**	.88**	.87**	.86**	.88**	.88**	.84**	.88**	.87**	.91**	.92**	.88**	.89**	.90**	1			
18	193 .87**	194 .88**	194 .88**	194 .89**	191 .88**	191 .88**	191 .90**	191 .89**	191 .86**	193 .90**	190 .91**	190 .93**	190 .92**	191 .90**	190 .91**	191 .92**	.93**	1		
	192 .87**	193 .88**	193 .88**	193 .89**	190 .88**	190 .87**	190 .90**	190 .90**	190 .87**	192 .91**	190 .91**	190 .91**	190 .92**	191 .89**	190 .92**	191 .91**	195 .91**	.92**	1	
19	192 .87**	193 .86**	193 .87**	193 .89**	190 .88**	190 .87**	190 .88**	190 .89**	190 .85**	192 .91**	190 .90**	190 .92**	190 .91**	191 .89**	190 .92**	191 .92**	195 .91**	195 .93**	.92**	_
20	192	193	193	193	190	190	190	190	190	192	190	190	190	191	190	191	195	195	195	1

Discussion

Creating Alternate Forms of the Word Reading Fluency Measures

Using results of the pilot testing, we divided all words from the item bank into four bands of difficulty from which to draw words for the forms of the test at the four grade levels. In all cases, we included an overlap of items from the different grade levels to extend the range of item measures represented on the test forms. We used this information to draw items to create 20 alternate forms of the Progress Monitoring Word Reading Fluency measures in Kindergarten through third grade. In all cases, we drew from the easiest items in the item bank to create the first few rows of items and drew from increasingly challenging items to complete the forms. In all cases, we selected items on alternate forms with comparable measures to create alternate forms with comparable difficulties, not only across the form as a whole, but also across each row. This organization is especially important because as fluency-based measures, the final forms must reflect similar rates of increasing difficulty to allow for comparable interpretation across forms.

This process resulted in 20 comparable forms, with 60 items each, at each of the four grade levels. For the Student Form of the measures, we used size 24 Times font (see Appendix B). The Assessor Copy of each of the forms includes administration and scoring directions as well as a smaller version of the student measure (see Appendix C).

Creating Alternate Forms of the Passage Reading Fluency Measures

We used the information about passage difficulty to modify the passages and bring them into closer alignment. First, we identified the nine passages that were most similar in difficulty. Then, we increased the difficulty of the passages that were too easy (based on more average words read correctly than the other passages included in the pilot testing) and decreased the difficulty of the passages that were too challenging (based on fewer average words read correctly than the other

passages included in the pilot testing). The changes made to the first-grade passages are indicated in Table 10. Changes made to second-grade passages are listed in Table 11. Table 12 lists changes made to the third-grade passages, and Table 13 lists changes made to the fourth-grade passages.

Table 10

Changes Made to Grade 1 Passage Reading Measures

Passage	Title	Changes Made	New Number
Gr1PR_1_C	The New Puppy	No changes	Gr1PR1
Gr1PR_2_C	Ice Cream Treat	No changes	Gr1PR10
Gr1PR_3_C	Patty the Pig	Simplified by changing "Patty" to "Pat", and all references to 'she' to 'he', 'her' to 'his'	Gr1PR11
Gr1PR_4_C	The Dog Show	No changes	Gr1PR2
Gr1PR_5_C	Trains	Simplified by changing 'railroad' to 'train'	Gr1PR12
Gr1PR_6_C	The Best Story Ever	Made slightly more complex by changing 'best' to 'most amazing'	Gr1PR13
Gr1PR_7_C	Making a Pizza	Made more complex by adding 'for her whole family', 'exactly', 'promised', and changing 'great' to 'wonderful'	Gr1PR14
Gr1PR_8_C	Ocean Fish	No changes	Gr1PR3
Gr1PR_9_C	The Puppy	No changes	Gr1PR4
Gr1PR_10_C	The Airplane Ride	Made slightly more complex by adding 'finally' and changing 'put on' to 'fasten'	Gr1PR15
Gr1PR_11_C	The Story for Mom	No changes	Gr1PR5
Gr1PR_12_C	Loose Tooth	Simplified by changing 'excited' to 'happy', 'wriggled' to 'moved', 'weird' to 'funny'	Gr1PR16
Gr1PR_13_C	A Prized Garden	No changes	Gr1PR6
Gr1PR_14_C	The Lake	Simplified by changing 'Kendra' to 'Kim', 'Bret' to 'Joe', 'bathing suit' to 'swimsuit'	Gr1PR17

Table 10

Changes Made to Grade 1 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number
Gr1PR_15_C	The Swing	Made more complex by changing 'liked swinging the best' to 'particularly liked swinging', adding 'neighborhood' in front of 'park'	Gr1PR18
Gr1PR_16_C	Play Ball	No changes	Gr1PR7
Gr1PR_17_C	Sick Day	No changes	Gr1PR8
Gr1PR_18_C	Hannah the Hamster	Made slightly more complex by adding 'puffy' and combining two short sentences into a longer one.	Gr1PR19
Gr1PR_19_C	Playful Sam	No changes	Gr1PR9
Gr1PR_20_C	The Fair	Made slightly more complex by changing 'night' to 'evening', 'one' to 'eight', 'red' to 'orange', adding 'along',	Gr1PR20

Table 11
Changes Made to Grade 2 Passage Reading Measures

Passage	Title	Changes Made	New Number
Gr2PR_1_C	Ebony	Simplified by changing 'shiny' to 'very nice', 'patches of sunshine' to 'the warm sun', 'glistened' to 'was very soft', 'sometimes' to 'on some days',	Gr2PR10
Gr2PR_2_C	Jessie's Adventure	No changes made	Gr2PR1
Gr2PR_3_C	Emily's Day at Home	Made more complex by changing 'was' to 'worked as', adding 'elementary school' in front of 'teacher', 'told her' to 'explained', 'stayed' to 'remained at'	Gr2PR11
Gr2PR_4_C	Jake's New Bike	Simplified by changing 'excited' to 'happy', removing the word 'seventh', changing 'promised' to 'send they would give him', 'beamed' to 'grinned'	Gr2PR12

Table 11
Changes Made to Grade 2 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number
Gr2PR_5_C	Moving to a New House	No changes	Gr2PR2
Gr2PR_6_C	The Magic Show	No changes	Gr2PR3
Gr2PR_7_C	Music	Simplified by changing 'playing' to 'to play', 'piano' to 'drums', 'regularly' to 'all the time', 'practiced' to 'played music', re-arranged some sentences to make them more simple in structure, 'muscles' to 'arms', 'stretch' to 'move'	Gr2PR13
Gr2PR_8_C	The Fastest Bird	No changes	Gr2PR4
Gr2PR_9_C	Baking Cookies	Made more complex by changing 'day' to 'afternoon', adding 'absolutely' in front of 'loved to eat', changing 'grandma' to 'grandmother', adding 'laughed, then she' in front of 'smiled', changing 'great' to 'wonderful'	Gr2PR14
Gr2PR_10_C	No More School	Simplified by changing the wording around to make sentence structure more simple, changing 'sufficient' to 'too much', and replacing many higher-level vocabulary words with much simpler ones.	Gr2PR15
Gr2PR_11_C	Summer Cash	No changes	Gr2PR5
Gr2PR_12_C	The Contest	Simplified by changing 'express herself' to 'show how she feels', 'create' to 'make', 'make a piece of art about the earth and pollution' to 'paint a picture about taking care of the world around us', several other phrasing changes to change the word 'earth' to 'world'	Gr2PR16
Gr2PR_13_C	Salty Breakfast	Simplified by changing 'clever' to 'funny', adding 'liked to' in front of 'put', changing 'smiling' to 'smile', 'practicing the piano' to 'she had to do some work', 'for themselves' to 'on their own', 'ingredients' for 'things they needed'	Gr2PR17

Table 11
Changes Made to Grade 2 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number	
Gr2PR_14_C	The Winter Play	No changes	Gr2PR6	
Gr2PR_15_C	Time for Bed	No changes	Gr2PR7	
Gr2PR_16_C	Emily's New Bike	No changes	Gr2PR8	
Gr2PR_17_C	Soccer Ball	Made more complex by changing 'pro' to 'professional', adding 'absolutely', changing 'thinking' to 'fantasizing'	Gr2PR18	
Gr2PR_18_C	The Spelling Bee	Simplified by adding 'a student', changing 'she studies all the time' to 'she loves to learn new words each week', 'Thursday' to 'Monday', 'county' to 'state', 'is nervous' to 'can not wait', 'especially nervous about Grant' to 'wants to try to beat Grant', 'quiz' to 'help'	Gr2PR19	
Gr2PR_19_C	Tom's Team	No changes	Gr2PR9	
		Simplified by changing 'Brian' to 'Tom', splitting up a long sentence into three short		
Gr2PR_20_C	Brian's Dream	ones, changing 'fifth grade' to 'first grade', 'usually tripped' to 'fell down',	Gr2PR20	

Table 12

Changes Made to Grade 3 Passage Reading Measures

Passage	Title	Changes Made	New Number
Gr3PR_1_C	Susan's New School	No Changes	Gr3PR1
Gr3PR_2_C	Sara's Fun Visit	No Changes	Gr3PR2
Gr3PR_3_C	Horses at the Fair	No Changes	Gr3PR3
Gr3PR_4_C	Ben's Truck	No Changes	Gr3PR4
Gr3PR_5_C	Surprise Sandwiches	No Changes	Gr3PR5

Table 12

Changes Made to Grade 3 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number
Gr3PR_6_C	Swimming	No Changes	Gr3PR6
Gr3PR_7_C	Boring Weekends	Simplified by changing "dreads" to "does not like", "discouraged" to "sad", "cannot" to "can't", added "fun" in front of "anything",	Gr3PR10
Gr3PR_8_C	Birthday Wishes	No Changes	Gr3PR7
Gr3PR_9_C	A Special Bike	No Changes	Gr3PR8
Gr3PR_10_C	The New Puppy	Simplified by changing "Dana" to "Dora", Split the first line into 2 short sentences, changed "comfortable bed" to "soft warm", "neighbors" to "people when they walk by", "completely" to "really", "unsure of how" to "not sure how"	Gr3PR11
Gr3PR_11_C	Childhood Dreams	Simplified by making many changes in wording (using several small words in place of one long one)	Gr3PR12
Gr3PR_12_C	The Perfect Instrument	Simplified by changing "play an instrument" to "play some kind of music", "saxophone" to "sax", "suggested" to "told him he should pick", "remarkable" to "beautiful"	Gr3PR13
Gr3PR_13_C	The Breaking Story	Simplified by changing "Brian" to "Matt", "an interesting topic" to "something to write about", "cannot" to "can't",	Gr3PR14
Gr3PR_14_C	The Dream House	Simplified by changing "Jeff" to "Ed", several other changes	Gr3PR15
Gr3PR_15_C	American Sports	Simplified by changing "Misha" to "Min", changing "hockey" to "basketball", "tomatoes" to "salsa", "disgusting" to "gross", "was excited" to "wanted to"	Gr3PR16
Gr3PR_16_C	The Backpacking Trip	Simplified by changing "Aram" to "Erik", "exciting" to "big", "wilderness" to "mountains"	Gr3PR17

Table 12

Changes Made to Grade 3 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number
Gr3PR_17_C	The Garden	Simplified by changing "tomatoes" to "beans", "the scent of bluebells" to "the way roses smell"	Gr3PR18
Gr3PR_18_C	Abby's Birthday	No Changes	Gr3PR9
Gr3PR_19_C	Sammy the Shark	Complexified by changing "Sammy" to "Alexander", "big" to "enormous", "help" to "rescue", and added the word "sometimes"	Gr3PR19
Gr3PR_20_C	Mike's Red Sneakers	Simplified by changing 'sneakers' to 'shoes', line 1; 'although' to 'even though', 'discovered' to 'told him'	Gr3PR20

Table 13

Changes Made to Grade 4 Passage Reading Measures

Passage	Title	Changes Made	New Number
Gr4PR_1_C	Birthday Surprise	Simplified by changing "belongings' to "things", "cozy" to "soft", and "unique" to "special"	Gr4PR10
Gr4PR_2_C	Amusement Park	No Changes	
Gr4PR_3_C	Farm Dog Goes to Town	Simplified by changing "her siblings" to "other dogs", "eight" to "nine", and "arrived at" to "came to" and split the first sentence of paragraph 2 into two sentences.	Gr4PR11
Gr4PR_4_C	A Day of Celebration	No Changes	
Gr4PR_5_C	Billy's Garden with Grandpa	Made more challenging by changing "not sure" to "not exactly sure how they should", added "together", changed "cycling" to "bicycling", "great" to "magnificent" and "fun" to "amusing"	Gr4PR12

Table 13

Changes Made to Grade 4 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number
Gr4PR_6_C	Maria's Secret Friend	Simplified by changing "listener" to "friend", "never interrupt Maria" to "never ask Maria to stop talking", "enjoyed" to "loved", "soon Maria realized" to "Of course,"	Gr4PR13
Gr4PR_7_C	Lisa Gets to Drive	No Changes	
Gr4PR_8_C	Toni the Shark	Simplified by changing "adored" to "loved", "observe" to "check out", "admiring" to "watching", "hovered" to "stayed", "venture" to "go", "eventually" to "after many hours"	Gr4PR14
Gr4PR_9_C	Marta's New Sweater	No Changes	
Gr4PR_10_C	Back to School	Simplified by changing quite a bit of the phrasing.	Gr4PR15
Gr4PR_11_C	The Perfect Present	Simplified by changing quite a bit of the phrasing as well as more challenging vocabulary.	Gr4PR16
Gr4PR_12_C	The Perfect Assignment	No Changes	
Gr4PR_13_C	President David	Made more challenging by changing "help" to "assist", "have" to "institute". Added "in the upcoming election"	Gr4PR17
Gr4PR_14_C	Above the Clouds	No Changes	
Gr4PR_15_C	Super Powers	Simplified by changing "homework assignment" to "thing to do for homework", 'the assignment" to "what he would write", "interesting' to "fun", "faster than lightning" to "faster than a car"	Gr4PR18
Gr4PR_16_C	A Friend for Jared	Simplified by changing "Mrs." to "Mr.", "his peers" to "other students", "Jared's peers" to "other students", "Jared" to "Lee", "reality" to "truth", "actually" to "just", "conceive" to "think"	Gr4PR19

Table 13

Changes Made to Grade 4 Passage Reading Measures (Continued)

Passage	Title	Changes Made	New Number
Gr4PR_17_C	Fieldtrip to the Zoo	No Changes	
Gr4PR_18_C	Hurt Feelings	No Changes	
Gr4PR_19_C	Billy and Spike	Simplified slightly by changing "extremely energetic" to "very happy", "leaped' to "jumped"	Gr4PR20
Gr4PR_20_C	The Rainy Day Jar	No Changes	

This process resulted in 20 comparable forms at each of the four grade levels. For the Student Form of the measures, we used size 13 Comic Sans MC font (see Appendix D). The Assessor Copy of each of the forms includes administration and scoring directions as well as a smaller version of the student measure (see Appendix E). All forms of the measures were then loaded to the EasyCBM website for web-based access.

Appendix A

Test Specifications for Creating Passage Reading Fluency Measures

Instrument Development: ORF Passages

Goal: To develop a series of reading assessments that can be used for progress monitoring and tracking RTI data for 1st- through 4th-grade students at risk for reading failure.

Overall Task: Write 25 ORF passages (each 250 words long) for 1st, 2nd, 3rd, and 4th-grade students (for a total of 100 ORF passages).

Grade 1 ORF passages should be written at a 1.5 grade level.

Grade 2 ORF passages should be written at a 2.5 grade level.

Grade 3 ORF passages should be written at a 3.5 grade level.

Grade 4 ORF passages should be written at a 4.5 grade level.

- Each ORF passage should 'stand alone' with no reference to any other ORF passage.
- Each ORF passage should tell a story.
- ORF passages should contain no dialogue.
- Give each ORF passage an appropriate title.
- Include Word Count, on each ORF passage.
- Email each ORF passage to me AS SOON AS YOU COMPLETE IT so I can keep track of our overall numbers.

I've provided an example ORF passage from each of the grade levels we're writing them for on the next few pages of this document. Please familiarize yourself with the basic format / approach, and then jump right into writing!

Thank you!

--Julie

Appendix B

Example Word Reading Test: Student Copy

Ι	the	it	and
sun	he	fast	will
but	car	too	you
feet	book	sum	work
look	bill	fly	before
end	family	under	other
six	yard	here	that
soon	may	took	girl
open	street	told	clean
might	rain	new	yellow
game	nothing	move	maybe
until	inside	who	every
wall	step	watch	river
hair	plant	rich	there
mouth	dark	together	trouble

Appendix C

Example Word Reading Fluency Test: Assessor Copy

Procedures: Place the student copy of the Word Reading test in front of the student. Say, "**Please read from this list of words. Read across the page and then on to the next row.**" (Demonstrate by sweeping your finger from left to right across the first row and then sweeping across the second row of words.) Start the 30-second timing when the student starts reading. Mark a bracket] after the last word read in 30 seconds.

If the student self corrects, write *s.c.* above the word and count it as correct. If the student says the incorrect word, mark a slash through the word, and count it as incorrect. If the student hesitates more than 3 seconds, supply the word and count it as incorrect. If the student skips a word, circle the word and count it as incorrect.

Note: This is a 30 second timed test.

I	the	it	and
sun	he	fast	will
but	car	too	you
feet	book	sum	work
look	bill	fly	before
end	family	under	other
six	yard	here	that
soon	may	took	girl
open	street	told	clean
might	rain	new	yellow
game	nothing	move	maybe
until	inside	who	every
wall	step	watch	river
hair	plant	rich	there
mouth	dark	together	trouble

Total Word List Correct: _____ /60

Appendix D

Example First Grade Passage Reading Fluency Test: Student Copy

Ann was seven years old. Her brother Tom was nine. They were both very excited. Today they were going to get a pet. They were going to get a puppy. Ann hoped their new puppy would like to chase balls. She wanted to play with it in the yard. She thought it would be fun to play chase with the puppy. Tom hoped their new puppy would like to go for walks in the park. He wanted to take it for walks with his friends and their dogs. Both children knew that taking care of a puppy could be a lot of work. They promised their mom they would be good pet owners.

It was time to go pick out their new puppy. Ann, Tom, and their mom got in the car. They drove to the animal shelter in town. They parked the car and went inside. Ann and her brother knew where to go. They had visited the shelter before. They came to the shelter last year. They had adopted a cat there.

Ann and Tom rushed into the main office area. They went to the part of the shelter with dogs. The words Dog Kennel were written on the wall. They saw two rows of metal cages. There was a cement hall in between them. They could hear many dogs barking. The dogs were barking loudly. Ann and Tom looked at each other. They smiled big smiles. They knew they would find their new pet.

Appendix E

Example First-Grade Passage Reading Fluency Test: Assessor Copy

1. Place the passage without numbers in front of the student and say:

"I want you to read this story to me. You'll have 1 minute to read as much as you can. When I say "begin," start reading aloud at the top of the page. Do your best reading. If you have trouble with a word, I'll tell it to you. Do you have any questions? Begin."

- 2. Start the timer.
- 3. While the student is reading, mark errors with a slash (/).
- 4. At 1 minute, say "stop."
- 5. Mark the last word read with a bracket (]).

Ann was seven years old. Her brother Tom was nine. They were both very 14 excited. Today they were going to get a pet. They were going to get a puppy. Ann 31 hoped their new puppy would like to chase balls. She wanted to play with it in the 48 yard. She thought it would be fun to play chase with the puppy. Tom hoped their 64 new puppy would like to go for walks in the park. He wanted to take it for walks 82 with his friends and their dogs. Both children knew that taking care of a puppy 97 could be a lot of work. They promised their mom they would be good pet owners. 113 It was time to go pick out their new puppy. Ann, Tom, and their mom got in 130 the car. They drove to the animal shelter in town. They parked the car and went 146 inside. Ann and her brother knew where to go. They had visited the shelter before. 161 They came to the shelter last year. They had adopted a cat there. 174 Ann and Tom rushed into the main office area. They went to the part of the 190 shelter with dogs. The words Dog Kennel were written on the wall. They saw two 205 rows of metal cages. There was a cement hall in between them. They could hear 220 many dogs barking. The dogs were barking loudly. Ann and Tom looked at each 234 other. They smiled big smiles. They knew they would find their new pet. 247

Total Words Read:_	# of Errors:	Raw Score:
	Calculated Score:	*

^{*}This score is computed automatically when you enter the other scores online. It is the most accurate score to use for tracking student learning because it adjusts for differences in difficulty between passages.

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