



Product Name: Dynamically Generated Measures of Math

Product Description

A site for teachers to develop worksheets and diagnostic assessments in all four operations (addition, subtraction, multiplication, and division) in grades K-5. Problem type and difficulty can be manipulated to reflect important operation skills (e.g. borrowing, carrying, etc.).

List of Essential Features

- Computer generated tests for addition, subtraction, multiplication, and division
- Teachers can build tests based on structuring parameters for each operation
- Students take tests online and responses recorded in database
- Interactive reporting tools for use in assessments and inclusion in student portfolios

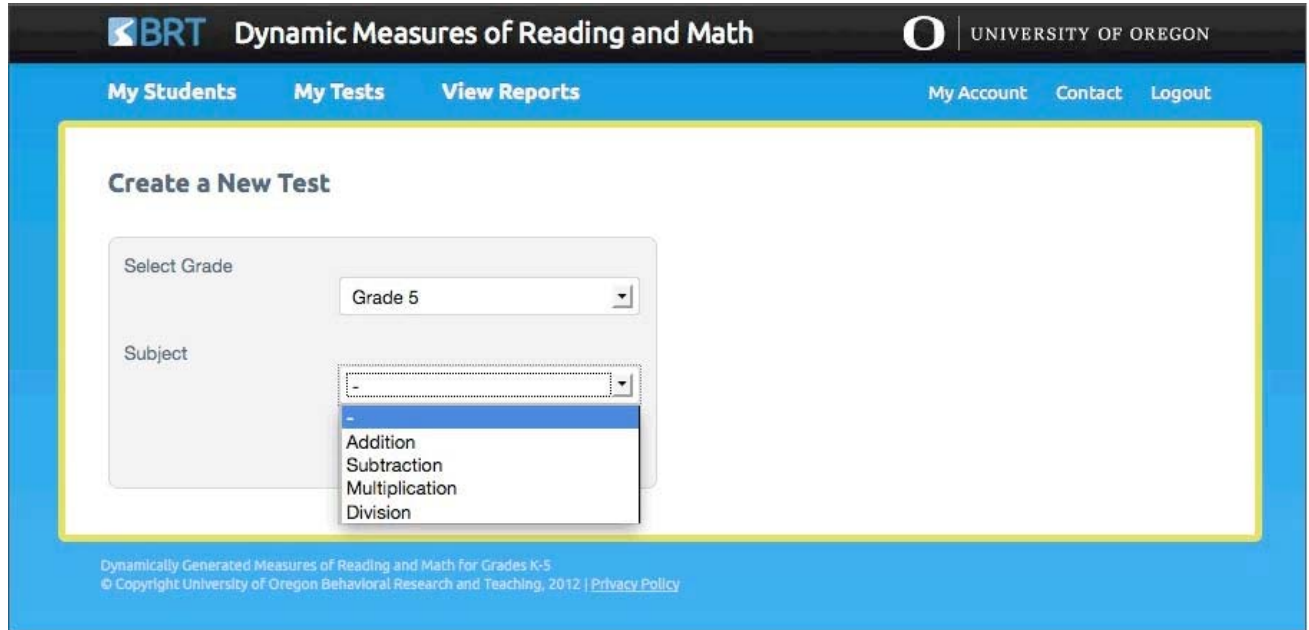
Audience

For teachers of grades K-5 wanting to create tests dynamically that can be taken online.

Demonstration of Product: <http://dynmeasures.brtprojects.org/register>

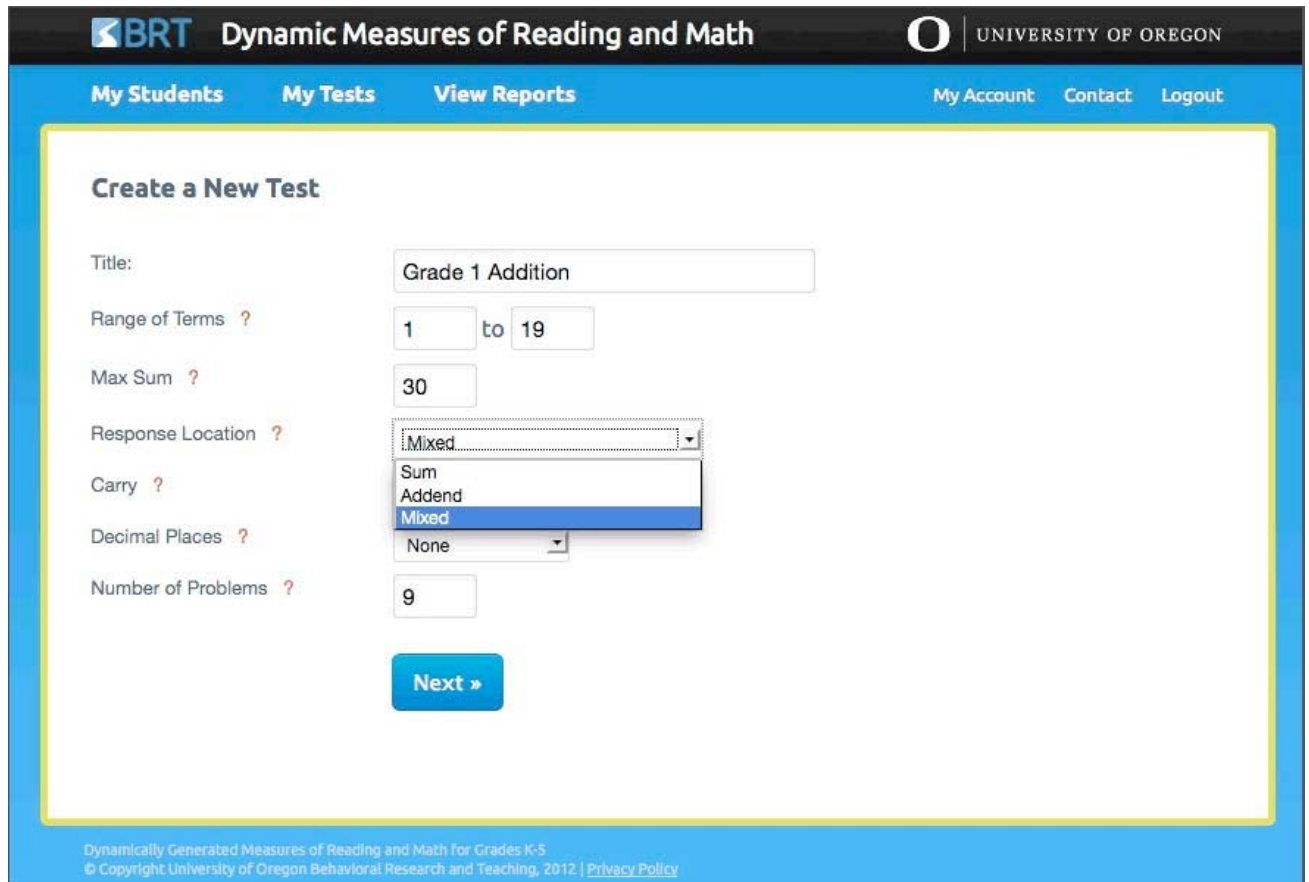
Screenshots

Teachers select grade and then operation.



The screenshot shows the 'Create a New Test' form on the BRT Dynamic Measures of Reading and Math website. The form is titled 'Create a New Test' and is located within a blue header area. The header includes the BRT logo, the text 'Dynamic Measures of Reading and Math', and the University of Oregon logo. Below the header are navigation links: 'My Students', 'My Tests', 'View Reports', 'My Account', 'Contact', and 'Logout'. The form itself has two main sections: 'Select Grade' and 'Subject'. The 'Select Grade' dropdown menu is currently set to 'Grade 5'. The 'Subject' dropdown menu is open, showing a list of operations: '-', '+', 'Addition', 'Subtraction', 'Multiplication', and 'Division'. The 'Addition' option is highlighted. At the bottom of the form, there is a copyright notice: 'Dynamically Generated Measures of Reading and Math for Grades K-5 © Copyright University of Oregon Behavioral Research and Teaching, 2012 | Privacy Policy'.

Each operation has multiple parameters that can be modified.



The screenshot shows the 'Create a New Test' form on the BRT Dynamic Measures of Reading and Math website, with various parameters filled out. The form is titled 'Create a New Test' and is located within a blue header area. The header includes the BRT logo, the text 'Dynamic Measures of Reading and Math', and the University of Oregon logo. Below the header are navigation links: 'My Students', 'My Tests', 'View Reports', 'My Account', 'Contact', and 'Logout'. The form has several fields: 'Title' (Grade 1 Addition), 'Range of Terms' (1 to 19), 'Max Sum' (30), 'Response Location' (Mixed), 'Carry' (Sum), 'Decimal Places' (None), and 'Number of Problems' (9). The 'Response Location' dropdown menu is open, showing a list of options: 'Mixed', 'Sum', 'Addend', and 'Mixed'. The 'Mixed' option is highlighted. At the bottom of the form, there is a 'Next >' button. At the bottom of the form, there is a copyright notice: 'Dynamically Generated Measures of Reading and Math for Grades K-5 © Copyright University of Oregon Behavioral Research and Teaching, 2012 | Privacy Policy'.

Student test page.

BRT Dynamic Measures of Reading and Math **U** UNIVERSITY OF OREGON

Grade 3 Multiplication
Julie Alonzo
Teacher: Mr. Demo

 $\times 7$

21

 $\times 9$

45

$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$

 $\times 1$

4

$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$

Finished

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Teachers can add students and assign them to one or multiple.

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My Students **My Tests** **View Reports** My Account Contact Logout

My Students

Groups

	Group Name	Test Grade Level	
1	Group A (default group)	3	Edit Delete

Students

	In Group	Student Name	Grade	
1	<input checked="" type="checkbox"/>	Jane Doe	3	Edit Delete
2	<input checked="" type="checkbox"/>	Dave Elliot	3	Edit Delete
3	<input checked="" type="checkbox"/>	Shawn Irvin	3	Edit Delete
4	<input checked="" type="checkbox"/>	Julie Alonzo	5	Edit Delete

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View tests and assign to groups.

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My Students **My Tests** View Reports My Account Contact Logout

My Tests [Create New Test »](#)

Student Page: http://dynmeasures.brtprojects.org/students/mr_demo

Grade	Subject	Date Created	Title	PDF	View	Delete	Assign To:
Grade 3	Addition	2/06/2012	Grade 3 Addition				Group A (d) <input checked="" type="checkbox"/>
Grade 3	Multiplication	2/06/2012	Grade 3 Multiplication				<input checked="" type="checkbox"/>
Grade 3	Subtraction	2/06/2012	Grade 3 Subtraction				<input checked="" type="checkbox"/>
Grade 5	Division	2/06/2012	Grade 5 Division				<input checked="" type="checkbox"/>

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View test information for each student.

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My Students **My Tests** **View Reports** My Account Contact Logout

Reports - Jane Doe, Grade 3

Displaying list of all active tests assigned to this student.

Subject	Title	# of times student has taken this test	Reports
Addition	Grade 3 Addition	4	View Report
Division	Grade 5 Division	1	View Report
Multiplication	Grade 3 Multiplication	1	View Report
Subtraction	Grade 3 Subtraction	1	View Report

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View individual student reports.

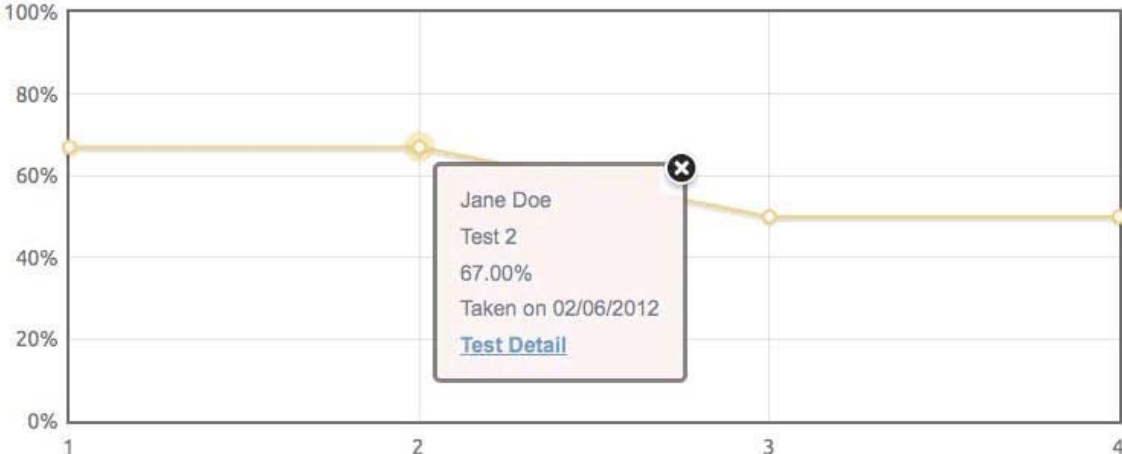
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My Students My Tests **View Reports** My Account Contact Logout

Jane Doe

Grade 3 Addition

 Download PDF



Test	Date Taken	Score	Correctness
Addition - Grade 3 Addition	February 06, 2012	67%	(4 of 6)
Addition - Grade 3 Addition	February 06, 2012	67%	(4 of 6)
Addition - Grade 3 Addition	February 06, 2012	50%	(3 of 6)
Addition - Grade 3 Addition	February 06, 2012	50%	% (3 / 6)

■ Jane Doe

Test	Date Taken	Score	Correctness	Details
Addition - Grade 3 Addition	February 06, 2012	67%	(4 of 6)	View Details
Addition - Grade 3 Addition	February 06, 2012	67%	(4 of 6)	View Details
Addition - Grade 3 Addition	February 06, 2012	50%	(3 of 6)	View Details
Addition - Grade 3 Addition	February 06, 2012	50%	% (3 / 6)	View Details

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A record of the student's test is available in detail view.

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My Students My Tests **View Reports** My Account Contact Logout

Jane Doe
Grade 3 Addition
Taken on February 06, 2012 [Download PDF](#)

Problem	Student Response	Correct Answer	Correctness
$88 + 36 = [124]$	142	124	N
$54 + 47 = [101]$	111	101	N
$66 + 54 = [120]$	120	120	Y
$82 + 15 = [97]$	97	97	Y
$57 + 27 = [84]$	94	84	N
$95 + 75 = [170]$	170	170	Y

Test Date Taken Score Correctness Details

View group report for a test.

