FSA MATH CURRICULUM NIGHT

DATES

- FSA MATH 6th,7th, 8th ,
- Last week of April/1st week of May

- Alg/Geo- May 10th &11th

TIME SCHEDULE

Grade/Subject	Proposed Time	Number of Sessions*	Computer-Based in 2015?
3	160 minutes	2	No
4	160 minutes	2	No
5	160 minutes	2	Yes
6	180 minutes	3	Yes
7	180 minutes	3	Yes
8	180 minutes	3	Yes
Alg 1	180 minutes	2	Yes
Geo	180 minutes	2	Yes
Alg 2	180 minutes	2	Yes

FSA End-of-Course Assessments				
Grade Level	Number of Days of Testing	Number of Sessions	Minutes per Session[ii]	Total Minutes per Assessment
Algebra 1	2	2	90	180
Geometry	2	2	90	180
Algebra 2	2	2	90	180

6TH GRADE FSA CATEGORIES

- Ratios 15%
- Expressions/Equations 30%
- Geometry 15%
- Statistics 19%
- Number Sense 21%

7TH GRADE TESTING CATEGORIES

- Ratios and Proportions 25%
- Expressions/Equations 21%
- Geometry 23%
- Statistics and Probability 16%
- Number Sense 15%

8TH GRADE TESTING CATEGORIES

- Functions 25%
- Expressions/Equations 30%
- Geometry 27%
- Statistics/Probability and Number Sense 18%

ALGEBRA TESTING CATEGORIES

- Algebra and modeling 41%
- Functions and modeling 40%
- Statistics and Number Sense 19%

GEOMETRY TESTING CATEGORIES

- Congruence, Similarity, Right Triangles, and Trigonometry 56%
- Circles, Geometric Measurement, Geometric Properties with Equations 38%
- Modeling with Geometry 16%

RESPONSE MECHANISMS

- Multiple Choice
- Multi-select
- Equation Editor- which can ask for equation or expression
- Open response
- Drag and Drop
- GRID- graphic response item display
- Matching item response
- Table Item

Percentage of Computer-Based Test Composed of Technology-Enhanced Items

Grade/Course	Percentage Range
Grades 5-8 Mathematics*	25%–50%
Algebra 1, Algebra 2, Geometry EOCs	40%–60%
* Grades 3 and 4 Mathematics tests, once computer based, will also be composed of 25%–50% TEIs.	

Technology-enhanced items are computer-delivered items that require students to interact with test content to select, construct, and/or support their answers.

EQUATION EDITOR

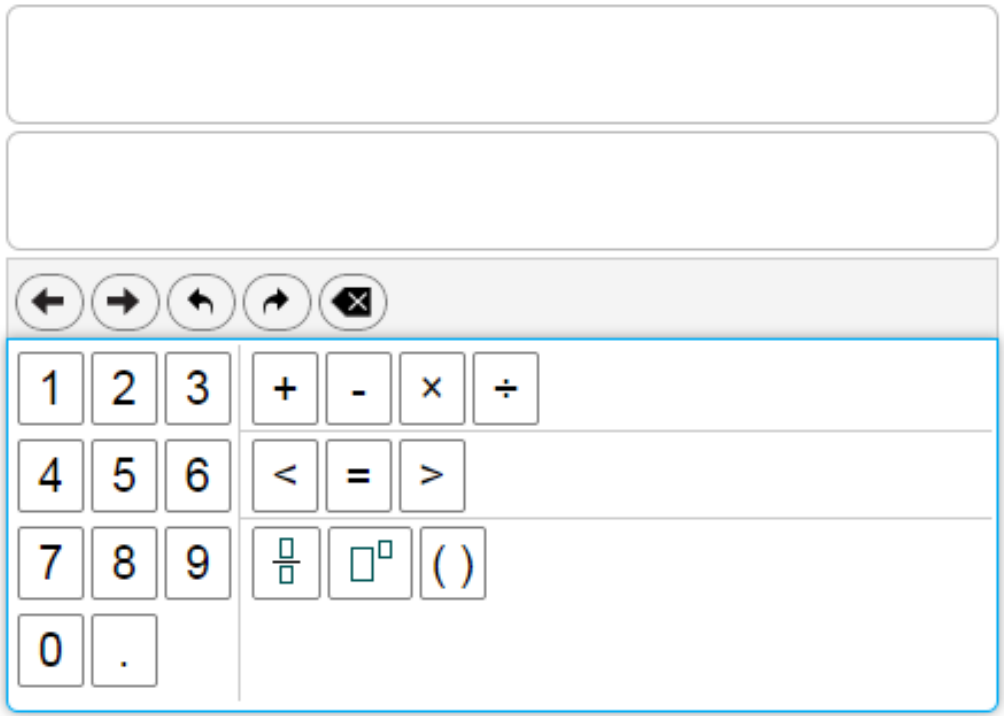
Two expressions are shown

$3^2 \times 3^3$

3^5

What is the value of each expression?

Enter each answer on a separate line.



MATCHING

5

Select which values of x make each equation or inequality true.

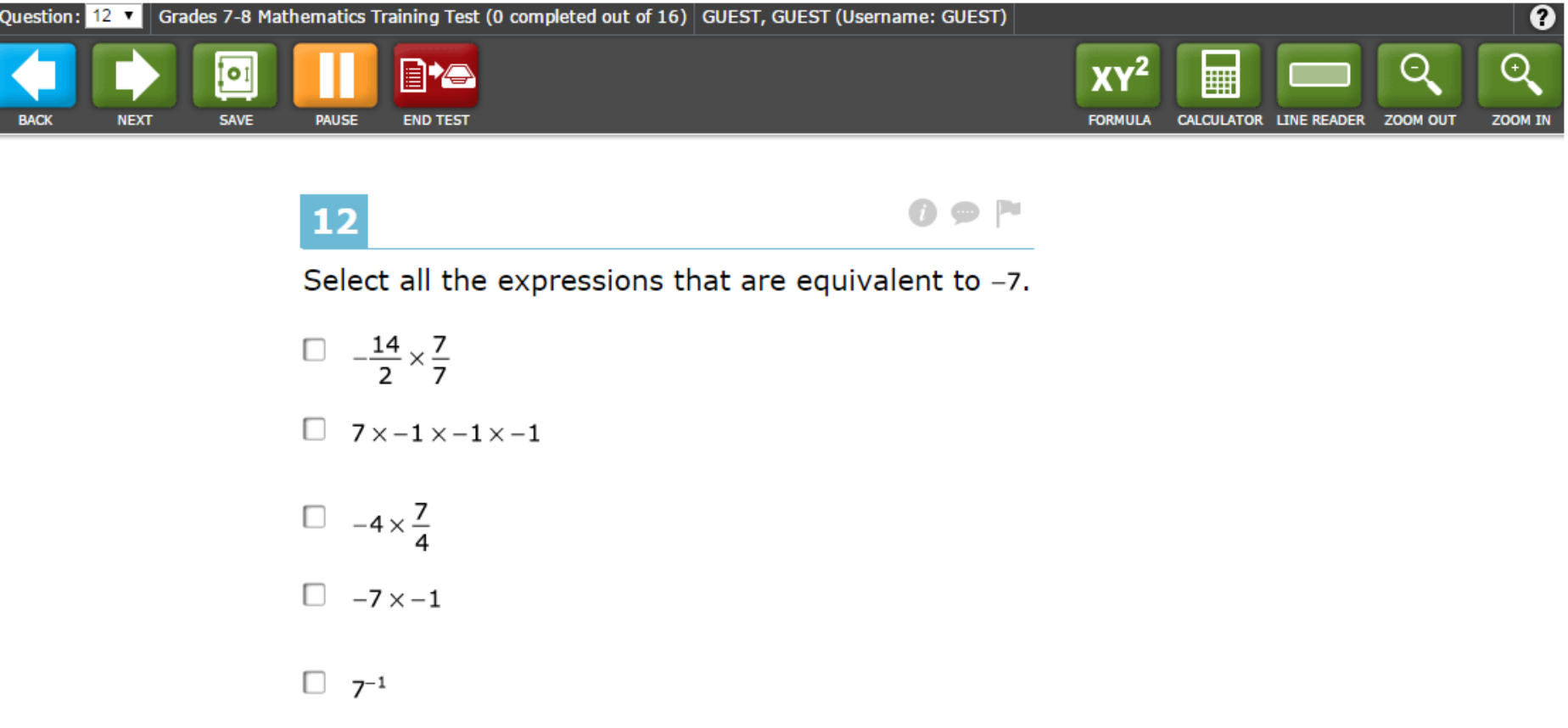
	$x = 1$	$x = 2$	$x = 3$
$2x + 5 = 9$			
$2x + 5 < 9$			
$2x + 5 \leq 9$			

6TH GRADE EQUATION EDITOR

Jeffrey is 10 years old. He has a brother named Max. Max is 5 years older than twice Jeffery's age. Write an expression that represents the relationship of Max's age in terms of Jeffrey's age, *n*.

Create an expression that is equivalent to $2(x + 3) + 3x$.

7TH GRADE MULTI-SELECT



7TH GRADE EQUATION EDITOR

An expression is shown.

$7.25 (x + 1.5 \cdot 10)$

Enter an equivalent expression.

Equation Editor-

8TH GRADE SAMPLE PROBLEM

Select rational or irrational for each number shown.

Number	*Rational*	*Irrational*
$\sqrt{81}$	☐	☐
$\sqrt{89}$	☐	☐
$\sqrt{121}$	☐	☐
$\sqrt{131}$	☐	☐

Matching Item Response

OPEN RESPONSE

12

The base and height of a triangle are each equal to the side length of a square.
How does the area of the triangle relate to the area of the square?
Type your answer in teh space provided.

Click in the text box and type your answer using the keyboard.

TABLE

18

A paint mixture uses a specific blue to green ratio.

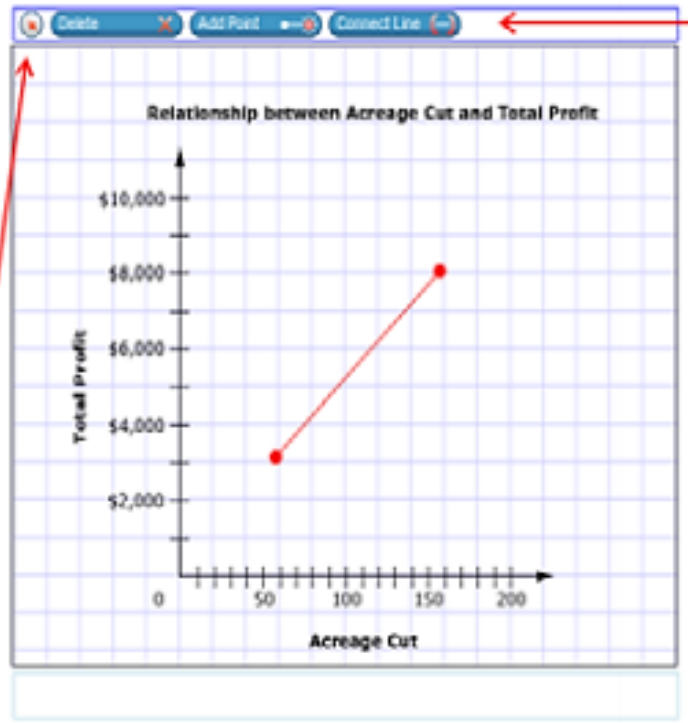
Complete the table using the ratio given.

Paint Mixture	
Blue Paint	**Green Paint**
2	5
4	
6	

GRAPHIC RESPONSE ITEM DISPLAY (GRID)

12

Using the information from the table, show the correct economic relationship between the acreage cut and total profit from 0 to 200 acres.

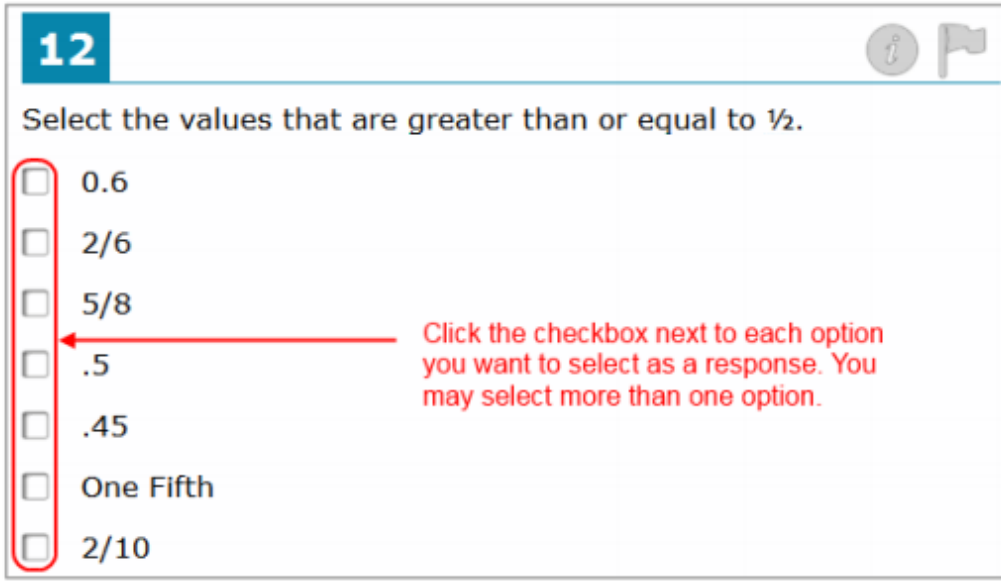


action buttons

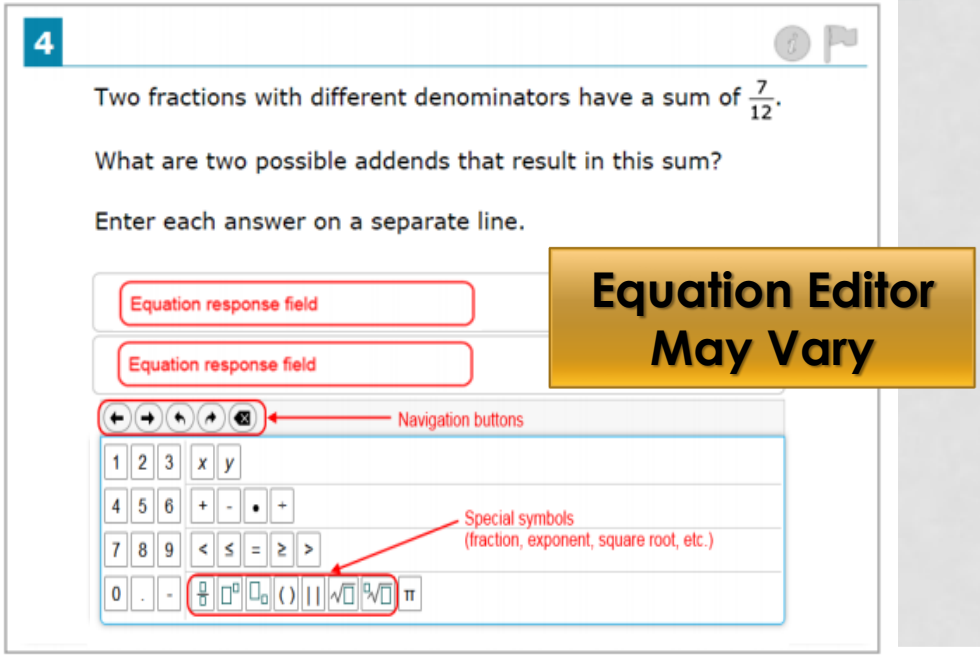
points and line added to graph

Click the arrow button if you do not want to add an extra point or line by accident.

MULTI-SELECT



EQUATION RESPONSE



Equation Editor May Vary

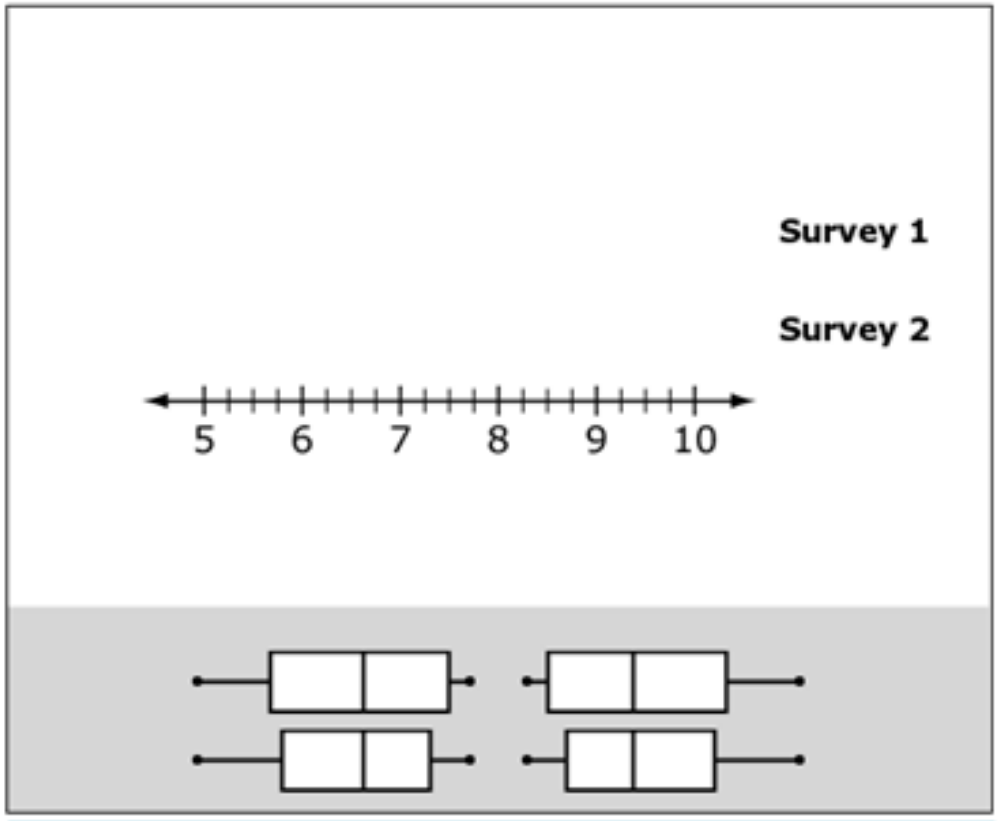
ALGEBRA DRAG AND DROP

Eddie's Ice Cream conducts two surveys in which people are asked, on a scale of 1 to 10, how much they like the company's products. The results of the surveys are shown.

Survey 1: 9.2, 6.7, 7.3, 7.9, 9.5, 8.4, 8.1, 8.8, 9.0

Survey 2: 9.4, 6.7, 7.0, 8.1, 8.4, 9.5, 7.8, 8.6, 9.0

Drag box plots to the number line that represent each survey.



ALGEBRA MULTI-SELECT

A line contains the points (0, 0) and (1, 4).

Select all the equations that represent this line.

- [ ] $y = x + 4$
- [ ] $y = 4x$
- [ ] $(y - 0) = 4(x - 0)$
- [ ] $x = 4y$
- [ ] $x = 0.25y$
- [ ] $y = 4x^2$

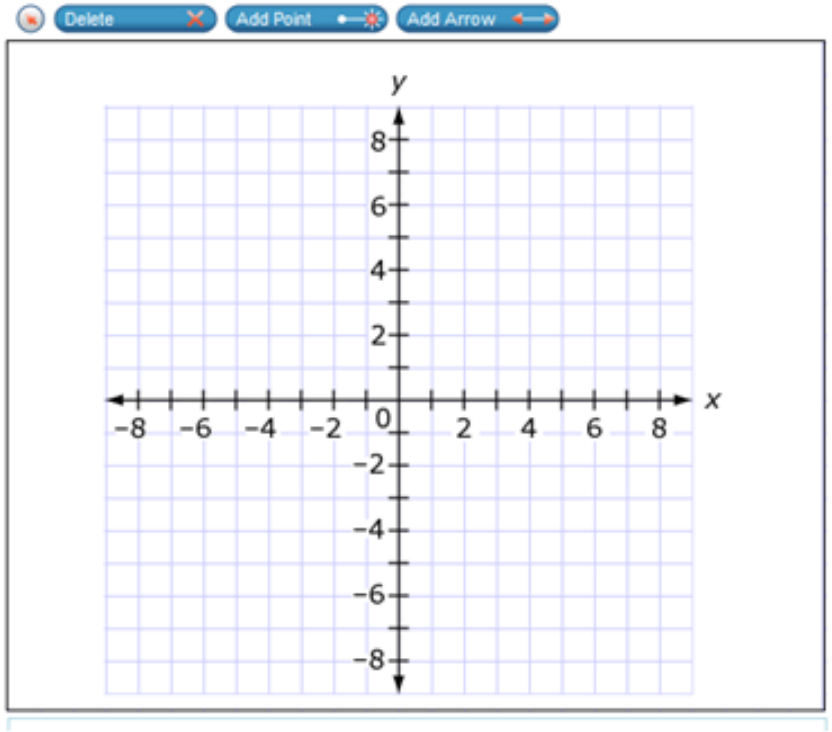
GEOMETRY GRID

5

A linear function is represented in the table shown.

x	y
−1	−6
1	−2
3	2

Use the Add Arrow tool to draw a line on the coordinate grid that has a greater *y*-intercept than the function represented by the table and is perpendicular to the function $y + \frac{1}{4}x = 2$.



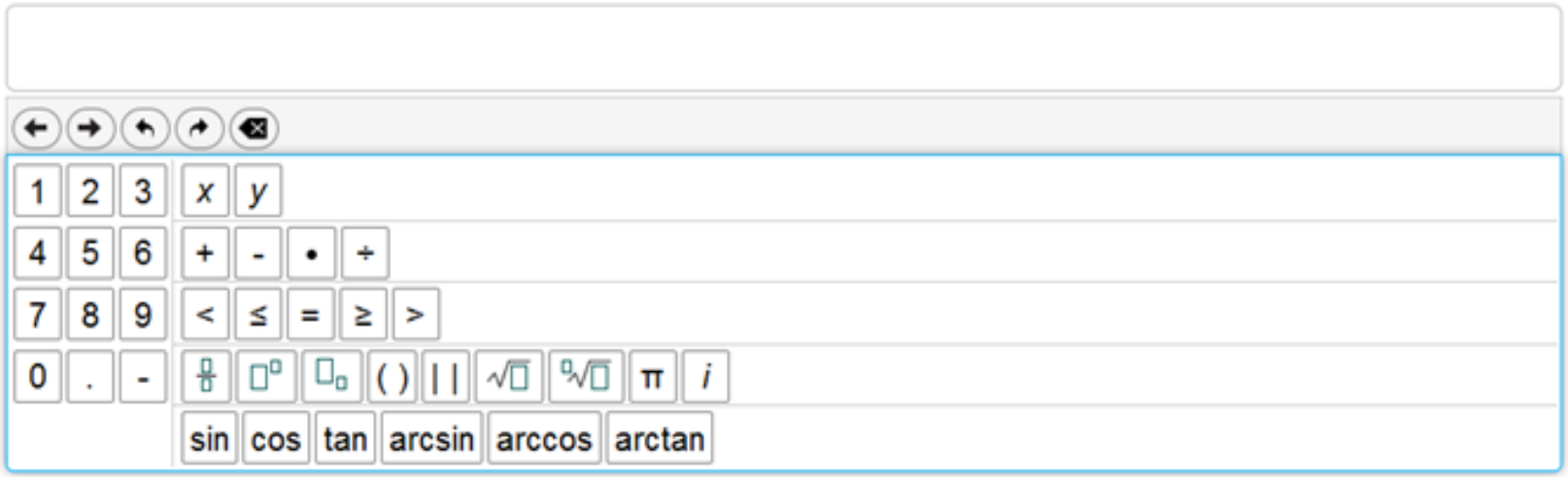
GEOMETRY EQUATION EDITOR

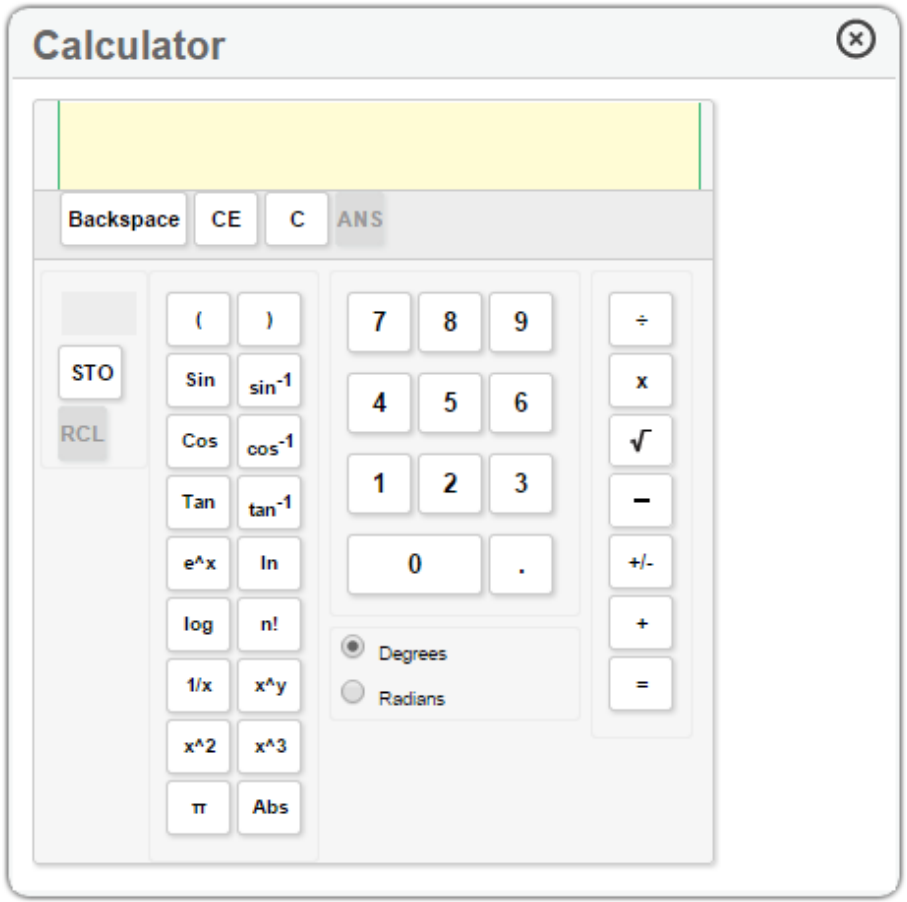
The equation of a circle is shown.

$(x-3)^2+(y-2)^2=4$

The circle is translated 2 units to the right and 4 units up and then is dilated by a factor of 3.

What is the equation of the new circle?





Can we use calculators?

MARTIN

NO – Grade 6

YES – Grades 7th, 8th, Algebra I, & Geometry only on sessions 2 &3

PRACTICE TEST

- http://www.fsassessments.org/training-tests

HTTP://WWW.FSASSESSMENT.ORG/MATHEMATICS.HTML

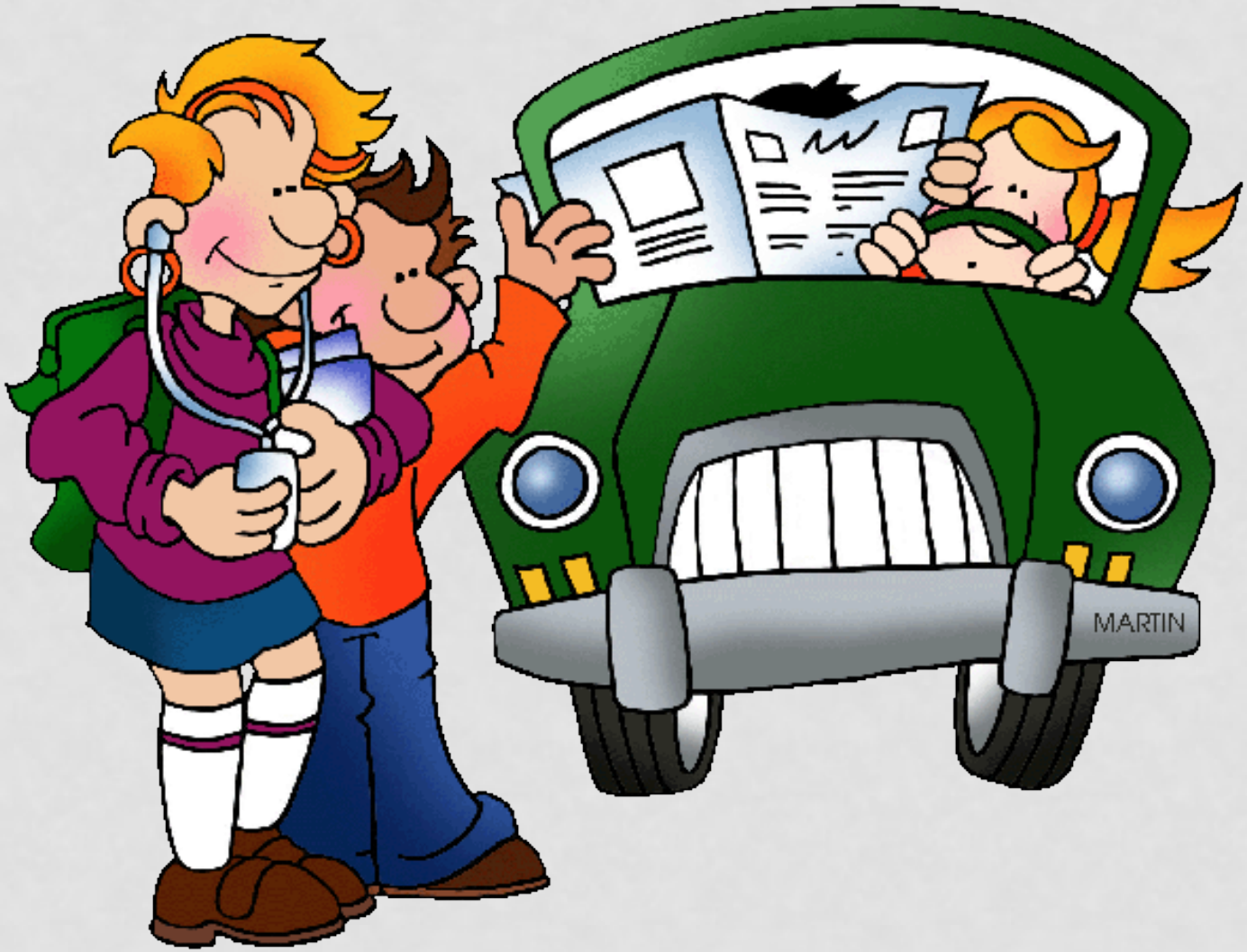
- Items that can be found on this link

- Item Specifications
- Parent Resources
- Student Resources
- Resources by Grade
- Training Test portal
- FSA Calculator

How to Prevent Test Anxiety

Get a good night's rest!

Arrive to school on time!

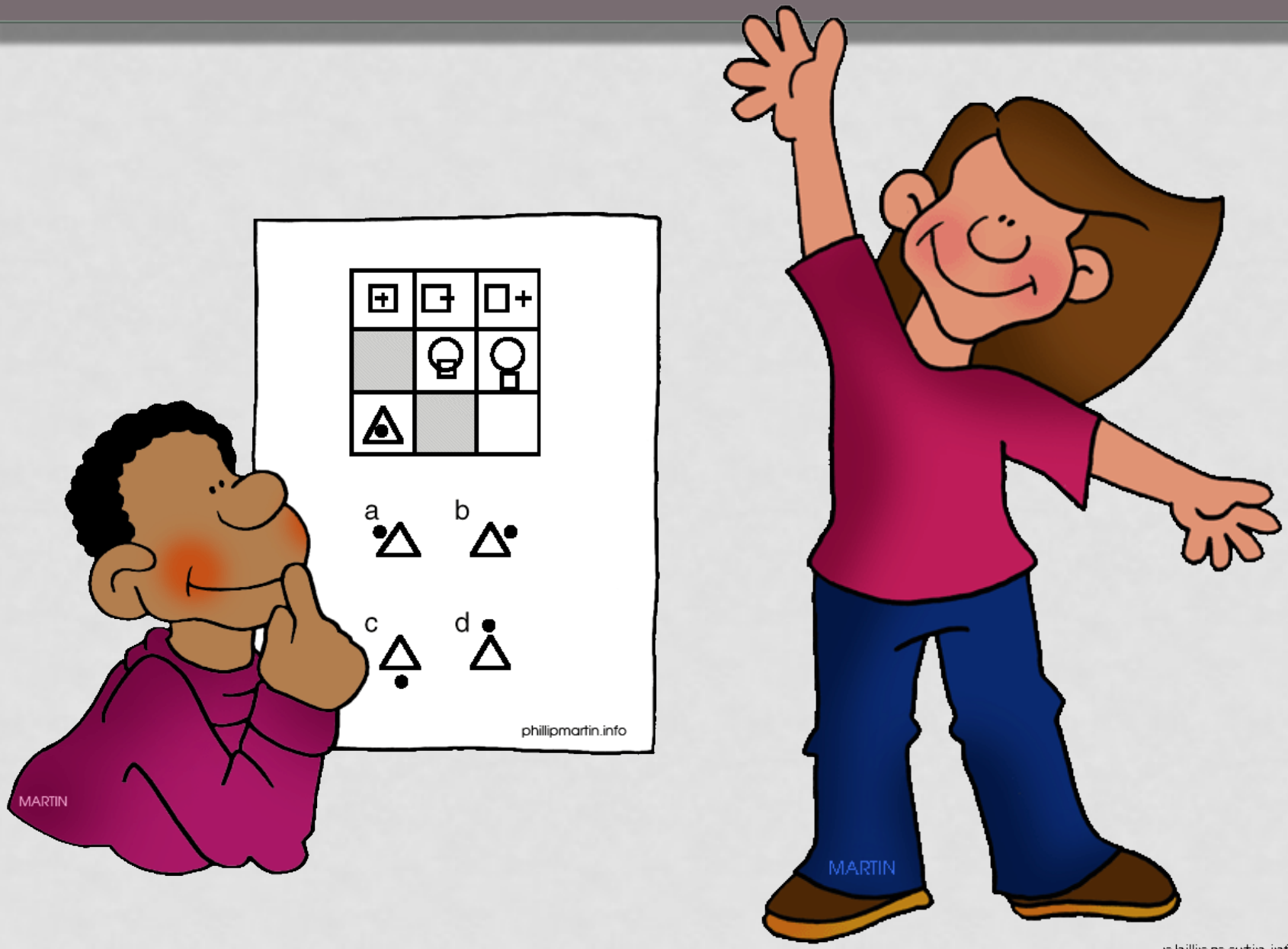


phillipmartin.info

Eat breakfast

Try your best!

Have a great attitude!



and a great testing day!

We CAN DO IT!

MATH WEBSITES

- myhrw.com (online textbook)
- BRAINPOP.COM
- COOLMATH.COM
- COOLMATH4KIDS.COM
- FCATEXPLORER.COM
- FUNBRAIN.COM
- EDHELPER.COM
- MATHISFUN.COM
- MATHMOVESU.COM
- NLVM.USU.EDU (VIRTUAL MATH MANIPULATIVES)

ALGEBRA RESOURCES

- www.algebranation.com - videos created by UF and is directly aligned to the new FSA standards.

To Login:

-once you are on the site for "Algebra Nation" click on "Enter Algebra Nation" and then click on "Enter Now".

-It will then ask you to type in your school and you are to type in "West Gate K-8"

-It will then ask you for your username and password

*USERNAME: is your 562 number

*PASSWORD: is your lunch number

RESOURCES

- www.learnzillion.com - tutorial videos, extra practice

- Investigating geometry online
- Mathisfun.com
- Regentsprep.org