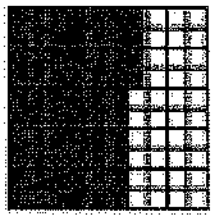
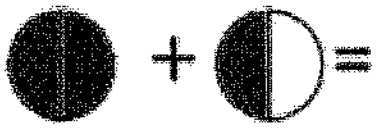
Fifth Grade Math Calendar

Directions: Listed below are different math activities that you can complete over the break in order to keep your mind challenged.

In addition to the math activities listed below, remember to work on DreamBox at home over the break. Please see the attached sheet regarding the recommended usage for DreamBox.

Date	Task	Parent's Initials
3/23	Josephine ate 1/3 of the cookies. She ate 2 cookies. How many cookies are left?	
3/24	Write the decimal amount shown in this model. 	
3/25	An adult lion can eat a lot of meat in one sitting. If a pride of lions eats a water buffalo that has 1,182 pounds of meat, and each adult lion eats 66 pounds of meat, how many adult lions will the water buffalo feed?	
3/26	Write 234.82 in expanded form.	
3/27	Write an expression that represents "add 10 to 6 minus 3 multiplied 7 times".	
3/30	Marcus bought 23 suckers for 34 cents each. How much money did he spend?	
3/31	Michael has $3.50. Marco said he has 8 times as much money as Michael. How much money do Michael and Marco have all together?	

4/1	Tammy and Timmy were talking about the numbers 1,253 and 2,135. • What is the value of the 1 in 1,253? _____ • What is the value of the 1 in 2,135? _____ How does the value of the 1 in the first number compare to the 1 in the second number?	
4/2	Two boys each ordered a pizza. Leo ate 5/8 of a pizza while Chris ate 3/4 of a pizza. Who ate the most pizza? How do you know?	
4/3	Write an equation. 	
4/6	Continue the pattern. What is the rule? 2, 5, 11, 23, _____	
4/7	How is a prime number different than a composite number?	
4/8	Javon spent 1/3 of his allowance on a movie ticket. He has $20 left. What is his allowance?	
4/9	Solve the following $2 \times (5 + 8) - 10 =$ $36 - 3 \times 6 + 2 =$ $(36-3) \times 6 + 2 =$	
4/10	Name the value of 7 in this number 54,702.	
4/13	Brandon ran 2 ¼ of a mile every day last week. How many miles did he run?	
4/14	Multiply your age by 5 and add 2018. Is your number more than 3,000?	

Milestones Preparation Resources
Fifth Grade

Monday, March 14

Math Selected-Response Test Taking Tips

The majority of the questions that you will see on the Georgia Milestones will be selected-response questions. For this type of question, there is only ONE right answer, so read EACH answer choice carefully. The following are some test taking tips for math selected-response questions.

- Read the question and think about what the problem is asking you to do.
- **Make sure that you use your scratch paper to work out the problem before you select your answer.**
- Come up with the answer on your scratch paper before looking at the possible answers. This way the choices given on the test won't throw you off or trick you.
- Read all the choices and eliminate answers you know aren't right.
- Review the answer choice that you selected to make sure that it is the BEST choice and correctly answers the question.

Let's practice some selected-response math questions.

Question 1 -

Look at these two numbers:

563	**436**

How much greater is the digit 6 in 563 than the digit 6 in 436?

A. 6 times greater
B. 10 times greater
C. 60 times greater
D. 100 times greater

Question 2-

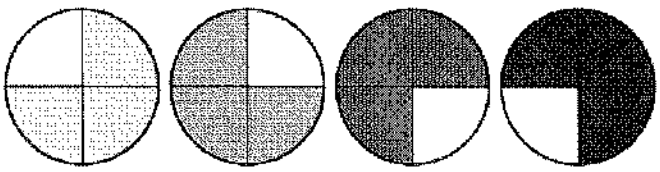
Which shows the decimal form for this expression?

$$8 \times \left(\frac{1}{10}\right) + 3 \times \left(\frac{1}{100}\right) + 9 \times \left(\frac{1}{1000}\right)$$

A. 0.0839
B. 0.839
C. 8.39
D. 83.9

Question 3 –

Four students each draw a circle. They each shade $\frac{3}{4}$ of their circles, as shown.



Which equation shows how much of the circles are shaded altogether?

A. $4 \times \frac{1}{4} = \frac{4}{4} = 1$

B. $4 \times \frac{3}{4} = \frac{7}{4} = 1\frac{3}{4}$

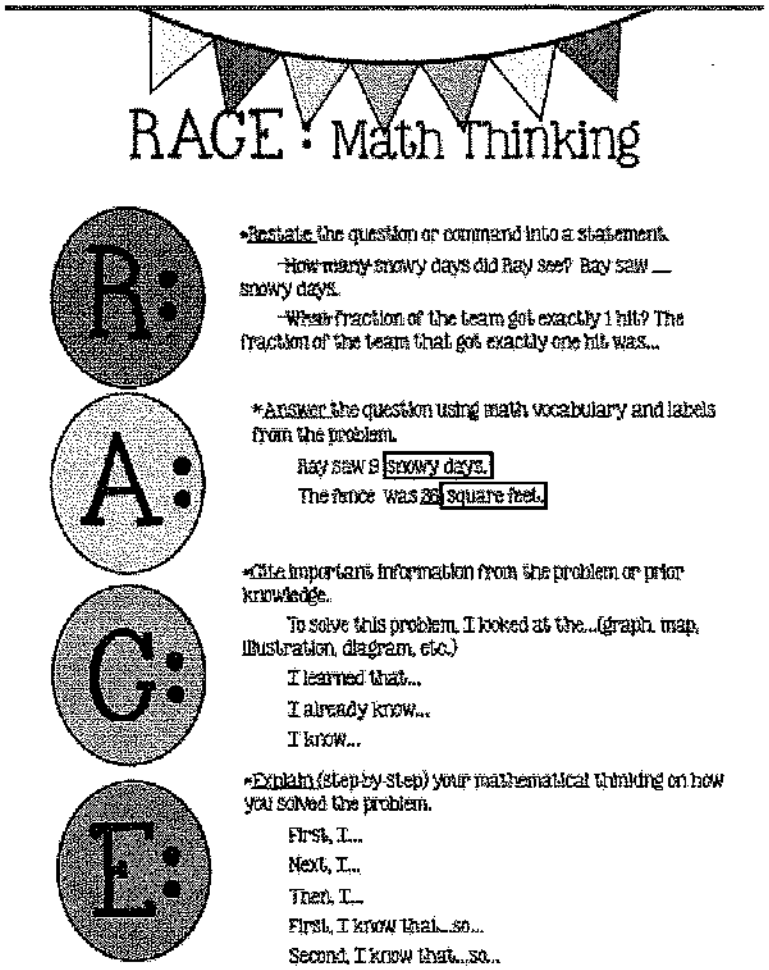
C. $4 \times \frac{3}{4} = \frac{3}{16}$

D. $4 \times \frac{3}{4} = \frac{12}{4} = 3$

Tuesday, March 17

Math Constructed Response Test Taking Tips

A Constructed Response Question is a type of question that you will have to build or create an answer for. Most Constructed Response Questions will have a Part A and a Part B. You will find that a Constructed Response Question will have you ***analyze*** information and explain your problem solving process in **complete sentences.** One strategy for helping you to answer a constructed response math question is RACE. **RACE** stands for **R**estate, **A**nswer, **C**ite, and **E**xplain. Remember, being specific is key. Use your prior knowledge and **math vocabulary** to explain your reasoning. Make sure that you **use your scratch paper** to work out the problem(s) and find your answer(s).



Here's an example of a fifth grade constructed response question and answer.

Evaluate these two expressions.

a) (7 + 5) × 4

b) 7 + 5 × 4

Part A: Which expression has a greater value—a or b?

Expression A

Part B: Explain why this expression has a greater value.

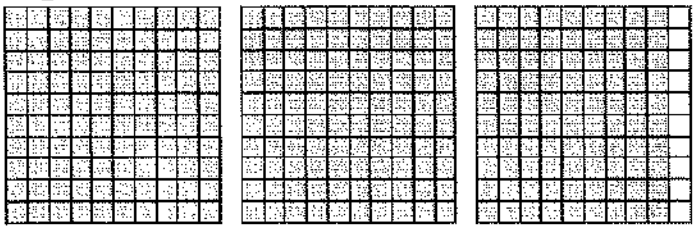
Expression A has a value of 48, which is greater than the value of B, which is 27. I know this because expression A has parentheses around 7 plus 5, so you have to add these numbers first to find a sum of 12. Next you multiply the sum of 12 by 4. The total value is 48. For the second expression, there are no parentheses. The order of operations states that you perform operations in parentheses first. If there are no parentheses in an expression, multiplication comes before addition.

Constructed Response Questions

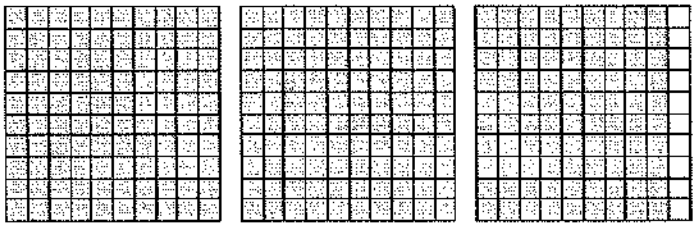
Question 1

Miguel, Jane, and Robert rode 8.7 miles in a bike relay race. They each rode the same distance. Jane shaded the models shown to determine how many miles each person rode. Each hundred model stands for 1 mile.

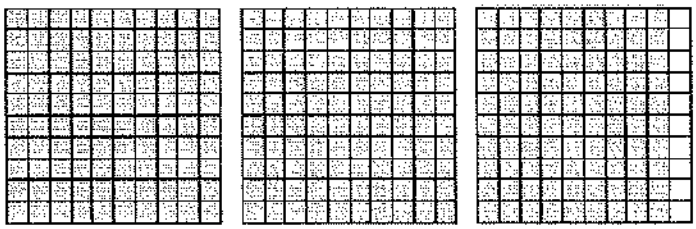
Miguel:



Jane:



Robert:



Part A: What is the total number of miles each person rode?

Part B: Explain how the models illustrate the problem and answer.

Question 2

Peyton has a goal to walk 10,000 steps each day. On Tuesday afternoon, Peyton walked 7,338 steps. She averages 2.5 feet per step.

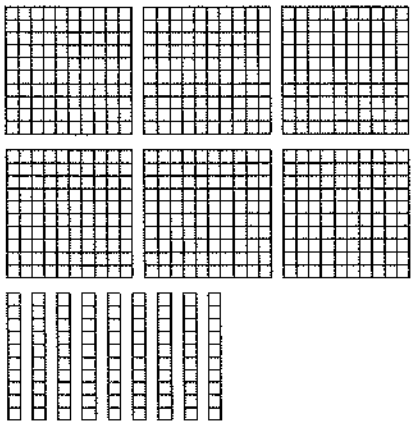
Part A: How many more feet does Peyton need to walk to reach her goal of 10,000 steps?

Part B: Explain how you found your answer.

Wednesday, Mar 18th – More Selected-Response Practice

Please review the selected-response test taking tips from Monday, April 4th.

Question 1 – Ted is using a model to find the quotient of 6.9 ÷ 2.3. He starts by modeling the dividend, 6.9, as shown.

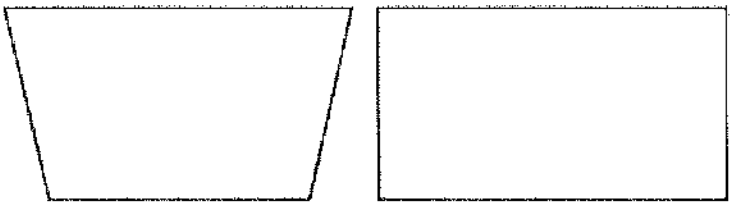


He will now separate the model into equal groups to model the division. How many equal groups of 2.3 should he make?

A. 0.3
B. 3
C. 30
D. 300

Question 2-

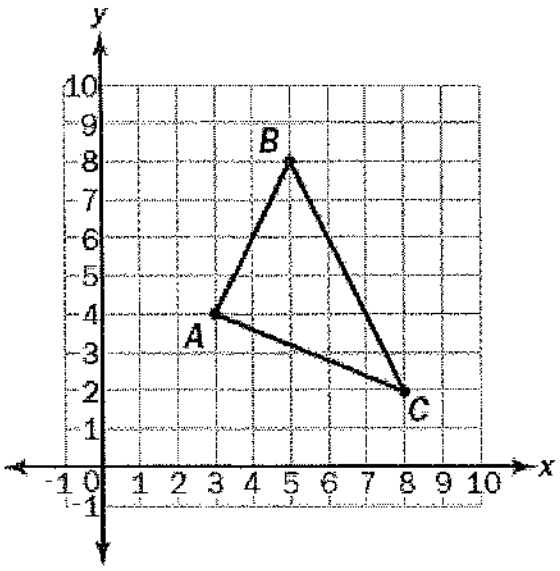
What attributes do these two figures have in common?



A. Both figures have four right angles.
B. Both figures have two pairs of equal sides.
C. Both figures have two pairs of parallel sides.
D. Both figures have at least one pair of parallel sides.

Question 3-

Felipe made a triangle on a coordinate grid.



What are the coordinates for point *C*?

A. (3, 4)
B. (5, 8)
C. (8, 2)
D. (2, 8)

Thursday, March 19

Math Extended Constructed Response Test Taking Tips

In Extended Constructed Response questions, there is a question, problem, or statement but no answer choices. You have to write your answer or work out a problem. In most cases, the problem will consist of multiple parts (Part A, Part B, Part C, & possibly Part D). It is important to realize that different parts of the question usually go together and that one part may require you to explain a reasonable and relevant strategy for how you arrived at an answer to a previous part of the problem. As you solve the problems, make sure that you **use your scratch paper** to work out the problem and find your answer. As you explain your strategy for how you solved the problem, use your prior knowledge and **math vocabulary** to explain your reasoning. **You will need to write your problem solving explanation in complete sentences.** You will be scored on accuracy and how well you support your answer with evidence.

Chris has 70 jpeg files on his computer. Each file is 6.8 megabytes in size.

Part A: What is the total size, in megabytes, of Chris's jpeg files? Write your answer in the space below.

Part B: If Chris deletes 8 jpeg files, what will be the total size, in megabytes, of Chris's remaining jpeg files? Explain how you found your answer.

Part C: Amaya has 81 jpeg files that have a total size of 583.2 megabytes. If each jpeg file is the same size, what is the size, in megabytes, of each of Amaya's jpeg files? Write your answer in the space provided below.

Friday Mar. 20

Math Technology Enhanced Questions

In Math, the Technology Enhanced Questions are similar to the selected response questions; however, Technology Enhanced Questions often have multiple correct answers and sometimes have multiple parts (Part A and Part B). In some technology enhanced questions, you will be asked to select a given number of correct answers from the choices given. The following are some test taking tips for selected-response questions.

- Read the question and think about what the problem is asking you to do. Make note of how many correct answers you need to select. If the question has two parts, answer the first part before you move to the second part.
- **Make sure that you use your scratch paper to work out the problem before you select your answer(s).**
- Read all the choices before choosing your answer.
- Eliminate answers you know aren't right.
- Review the answer choice(s) that you selected to make sure that the responses correctly answer the question(s).

Question 1

Part A

Which expression represents the calculation "subtract 7 and 1, then divide by 3"?

A. $7 - 1 \div 3$
B. $3 \div (7 - 1)$
C. $(7 - 1) \div 3$
D. $7 - (1 \div 3)$

Part B

Which description is equivalent to $5 + (4 \times 2)$?

A. add 5 and 4, then multiply by 2
B. multiply 4 by 2, then add 5
C. multiply 5 by 2, then add 4
D. add 4 and 2, then multiply by 5