



Simpson
Parent Information Night
March 25, 2015

Milestones Testing

- EOG – End of Grade Test
- Replaces CRCT
- Different questions, level of difficulty
 - DOK – Depth of Knowledge
- Both Criterion-Reference and Norm-Referenced
 - Criterion-referenced based on Georgia Standards
 - Norm-references based on National Percentiles and Standards (20 questions)

Day 1 – ELA

- 60 Total Test Questions (2 Sections)
 - 60 minutes per session (max 70 per session)
- 40 Selected Response (1 point each, 10 NRT)
 - 2 Constructed Response (2 points each)
 - 1 Constructed Response (4 points)
 - 1 Extended Response (7 points)
 - 10 Normed Referenced
 - 6 Field Questions

Day 2 – Writing

- Writing (Free Response)
 - 70 minutes (max 90 minutes)
 - Students will read a pair of passages
 - 3 selected response items
 - 1 constructed response
 - 1 writing prompt must cite evidence to support conclusion

ELA Domain Structure and Weights

Reporting Category	Approximate % of Test			
	Grade	6	7	8
Reading and Vocabulary		53%	53%	53%
Writing and Language		47%	47%	47%

Day 3 – Math

- 73 Total Test Questions (2 Sections)
 - 60 minutes per session (max 80 minutes)
 - 50 Multiple Choice (1 point each, 10 aligned to NRT)
 - 2 constructed Response (2 points each)
 - 1 Constructed response (4 points)
 - 10 Norm-Referenced questions
 - 10 field Test Questions

Math Domain Structure and Weights

Reporting Category	Approximate % of Test			
	Grade	6	7	8
Ratios and Proportional Relationships		12%	19%	
The Number System		30%	21%	
Expressions and Equations		23%	17%	
Geometry		18%	23%	28%
Statistics and Probability		17%	20%	12%
Numbers, Expressions, and Equations				20%
Algebra and Functions				40%

Day 4 - Science

- 75 Total Test Questions (2 Sections)
 - 50 minutes per session (max 70 minutes)
 - 55 Selected Response (1 point each, 10 NRT)
 - 10 Normed Referenced
 - 10 Field Test

Science Domain Structure and Weights

Reporting Category	Approximate % of Test			
	Grade	6	7	8
Astronomy		20%		
Geology		40%		
Hydrology		40%		
Cells, Human Body and Genetics			35%	
Evolution			15%	
Interdependence of Life			50%	
Structure of Matter				30%
Energy and Transformation				40%
Force and Motion				30%

Day 5 – Social Studies

- 75 Total Test Questions (2 Sections)
 - 50 minutes per session (max 70 minutes)
 - 55 Selected Response (1 point each, 10 NRT)
 - 10 Normed Referenced
 - 10 Field Test

Social Studies Domain Structure and Weights

Reporting Category	Approximate % of Test		
Grade	6	7	8
Geography	31%	35%	12%
Government/Civics	15%	20%	25%
Economics	25%	25%	16%
History	29%	20%	47%

CRCT vs EOG

CRCT	EOG
Criterion-Referenced Questions only	Both Criterion-Referenced and Norm-Referenced Questions
Multiple Choice questions only	Multiple Choice and Constructed Response
DOK level 1 and 2 only	DOK level 1, 2, 3, and 4
Single Answer for each question	May have more than one answer: students must select all correct answers

ELA Sample 1

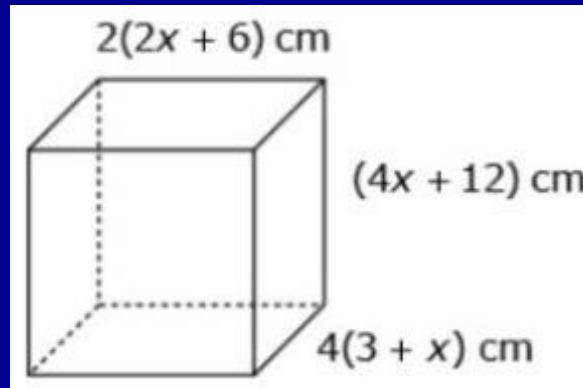
- **In the story's conclusion, Regina is alone in her bedroom. Rewrite the conclusion of the story. In your conclusion, change the setting and include dialogue between Regina and one of the other characters from the story (Regina's mother, Ms. McKinney the music teacher, or one of Regina's fellow orchestra students). Be sure your conclusion follows the narrated experiences and events of the story.**
- **Answer with complete sentences, and use correct punctuation and grammar.**
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ELA Sample 2

- The story “Excerpt from *Mr. Revere and I*” and the article “Excerpt from *The Many Rides of Paul Revere: The Boston Tea Party*” are written from different points of view. How do the different points of view affect the understanding of the events surrounding the Boston Tea Party? Use details from **both** passages to support your response.
- In your response, be sure to
 - explain the point of view presented in “Excerpt from *Mr. Revere and I*”
 - explain the point of view presented in “Excerpt from *The Many Rides of Paul Revere: The Boston Tea Party*”
 - explain how the different points of view affect the understanding of the events surrounding the Boston Tea Party
 - use details from **both** passages to support your response

Constructed Response Mathematics Sample

The figure shows the dimensions, in centimeters (cm), of a cube.



Part A

- Explain why the expressions representing the dimensions are valid edge lengths of the cube. Show your work.

Part B

- If $x = 2$, determine the volume of the cube in cubic centimeters. Show your work.
- **Be sure to complete ALL parts of the task. Write your answer and show your work on the paper provided. Do NOT type your answer in the text box below.**

Exemplar Response

Exemplar

Part A

All edge lengths can be represented by the length $4x + 12$.

$$\text{height } 4(3 + x) = 12 + 4x = 4x + 12$$

$$\text{width } 2(2x + 6) = 4x + 12$$

$$\text{depth } 4x + 12$$

Part B

$$8,000 \text{ cm}^3$$

$$4x + 12 = 4(2) + 12 = 20$$

$$4(3 + x) = 4(3 + 2) = 4(5) = 20$$

$$2(2x + 6) = 2(2 \times 2 + 6) = 2(4 + 6) = 2(10) = 20$$

$$V = (20)^3 = 8,000 \text{ cm}^3$$

Constructed Response Mathematics Sample

- Jason has two fish tanks of the same size. Jason starts draining Tank #1 at a constant rate of three gallons every two hours. At the same time, he starts adding more water to Tank #2 at a constant rate of one gallon every two hours.
- The graph below shows the amount of water y that was in one of the tanks x hours after Jason began.

Part A

- What do points R and S represent in this situation?

Part B

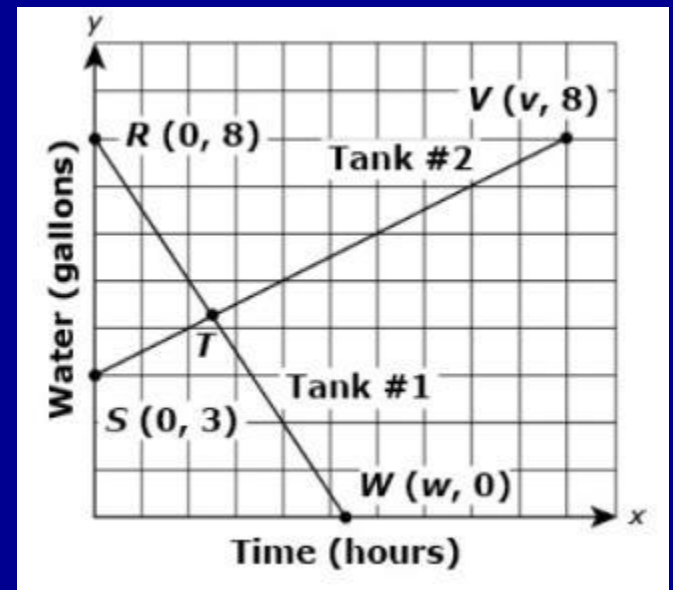
- What does the x coordinate of point T represent in this situation?

Part C

- How much longer after Tank #1 is empty does it take for Tank #2 to contain eight gallons of water? Explain how you got your answer.

Part D

- What are the coordinates of point T ? Explain how you got your answer.



Exemplar

Part A

Points R and S represent the amount of water in the tanks when Jason began changing the water levels. The y -coordinates represent the initial number of gallons in the tanks.

Part B

The x -coordinate of point T tells us when both of Jason's fish tanks have the same amount of water in them. This time is given as the number of hours that have transpired since he began changing the water.

Part C

It takes another $4\frac{2}{3}$ hours to fill Tank #2 after Tank #1 is emptied.

The x -coordinate of point W gives the time it takes to empty Tank #1. The slope of the line that models Tank #1 is -1.5 . The y -intercept is 8. The function can be expressed explicitly as $y = -1.5x + 8$. Substituting $y = 0$ into that function gives $x = 5\frac{1}{3}$. So it takes $5\frac{1}{3}$ hours to empty Tank #1.

The x -coordinate of point V gives the time it takes to fill Tank #2. The slope of the line that models Tank #2 is 0.5 . The y -intercept is 3. The function can be expressed explicitly as $y = 0.5x + 3$. Substituting $y = 8$ into that function gives $x = 10$. So it takes 10 hours to fill Tank #2.

Then find the difference in the times: $10 - 5\frac{1}{3} = 4\frac{2}{3}$.

Part D

The coordinates of point T are $(2.5, 4.25)$.

Write the equations of both lines.

The x -coordinate of point W gives the time it takes to empty Tank #1. The slope of the line that models Tank #1 is -1.5 . The y -intercept is 8. The function can be expressed explicitly as $y = -1.5x + 8$. The x -coordinate of point V gives the time it takes to fill Tank #2. The slope of the line that models Tank #2 is 0.5 . The y -intercept is 3. The function can be expressed explicitly as $y = 0.5x + 3$. Solve the system of linear equations using substitution (or addition/subtraction).

$$\begin{cases} y = -1.5x + 8 \\ y = 0.5x + 3 \end{cases} \rightarrow -1.5x + 8 = 0.5x + 3 \rightarrow x = 2.5, y = 4.25$$

Science Example

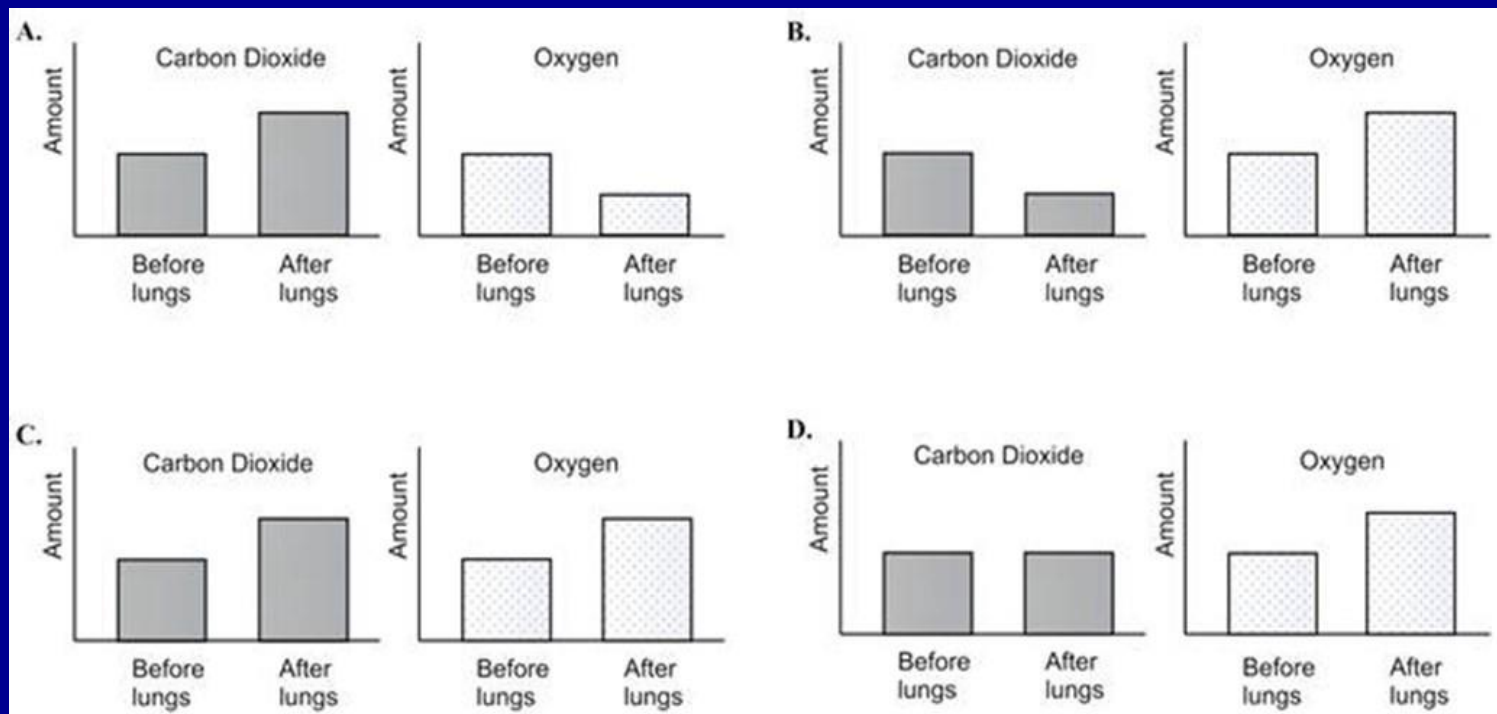
Grade 6

What causes ocean currents to form?

- A. Ocean currents form when cold water rises and warm water sinks.
- B. Ocean currents form in water when warm water rises and cold water sinks.
- C. The rising and sinking of water cannot cause ocean currents to form. Ocean currents form when cold water moves along the surface of the earth toward warmer water.
- D. The rising and sinking of water cannot cause ocean currents to form. Ocean currents form only when wind pushes the water.

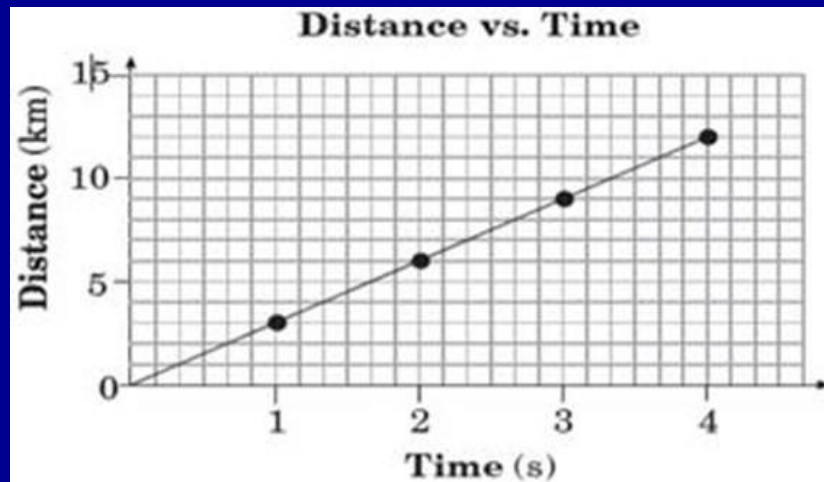
Science Example

- **Grade 7**
- A person measures the levels of carbon dioxide and oxygen in the blood before and after the blood passes through the lungs. Which of the following pairs of graphs shows the changes in carbon dioxide and the changes in oxygen in the blood before and after passing through blood vessels in the lungs?



Science

- Grade 8
- After a spacecraft takes off, its distance traveled is measured and is represented in this graph.



- **What is the average speed of the spacecraft?**
 - A. 12 kilometers per second
 - B. 5 kilometers per second
 - C. 3 kilometers per second

Social Studies

Grade 6

- **How do the harmful effects of acid rain demonstrate interdependence among countries?**
 - A. The effects of acid rain cannot be limited by national boundaries.
 - B. Agricultural countries are taken advantage of by industrialized countries.
 - C. Each country takes measures to minimize the effects on its own environment.
 - D. Each country must build their factories far away from their national borders.

Social Studies

Grade 7 Social Studies Sample Item

- Suppose a country wants to protect their workers and industries from foreign competition. Which of the following would best achieve their goal?
 - A. impose a tariff
 - B. engage in specialization
 - C. subsidize foreign competition
 - D. lower the GDP

Social Studies

Grade 8

Source: James Madison, Federalist Paper #51, 1788.

“...the constant aim is to divide and arrange the several offices in such a manner as that they may be a check on the other...(They) should not be so far separated as to have no constitutional control over each other.”

- **Based on the above quote, which principle of our government is expressed?**
 - A. separation of powers**
 - B. two-party system**
 - C. checks and balance**
 - D. representation**

Resources

- On Simpson Website
- Left hand side of page
 - EOG and EOC Information
 - 6th, 7th, & 8th Grade Milestone Messenger
 - November, January, February, & March Middle School Information (newer Milestone Messenger)
 - Parent Brochure
 - Parent Guide to New Tests in Georgia
- <http://experience-ga.ctb.com/>

Classes for 2015-16

- AC and Regular ELA, Science, Social Studies, Reading
- 8th grade Spanish
- Math 6/7 will go to Math 7/8
- Math 7/8 will go to Algebra or Algebra/Geometry
- Connections:
 - Art/PE
 - Technology/PE
 - Band
 - Chorus
 - Orchestra

