6 Evaluate each expression.

Write each answer in the table.

Expression	Value
-11+11	
- 13 + (-3)	
(-5) - (-12)	
-10 + 30 ÷ (-5)	

A rope was $5\frac{2}{3}$ feet long. Diego cut off $1\frac{5}{8}$ feet of the rope. How long is the rope now?

Write your answer as $\frac{m}{n}$ in simplest form, where m and n are integers, in the space below.

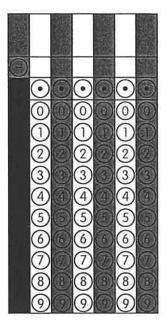
8 Evaluate $\left(-1\frac{1}{2}\right) \cdot \left(-\frac{4}{15}\right)$.

Write your answer in the space below.

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(9) At 6 p.m., the temperature was 2.5°F. By midnight, it had dropped by 6.8°F. By 6 a.m. the next day, it had risen by 3.4°F. What was the final temperature in °F?

Write your answer in the answer grid.



James paid \$13.20 for 12 mangoes. For every 5 mangoes that he bought, he got 1 mango free. Mary wants to buy 4 mangoes from the same shop. She has only \$5.10. How much does she still need?

Explain the steps used to compute the amount of money that Mary still needs. Write your answer and explanation in the space below.

Section C Constructed Response

- (10): 3 points; 12): 2 points)
- Charles says the sum of -28 + 52 is -80. He explains that to find the answer, he first adds 28 and 52. Then, he multiplies the sum by -1.
 - Explain why Charles' reasoning is incorrect.
 - Evaluate -28 + 52.
 - Explain how you found the answer.

Write your answer and explanations in the space below.

Benjamin wants to buy 10 items from a supermarket. 5 of the items cost \$7.25 each, 1 of them costs \$12.55, and the rest cost \$4.60 each. Benjamin has only \$50. How much does Benjamin still need?

Write your answer and your work or explanation in the space below.

Section A Multiple-Choice Questions

 $(5 \times 2 = 10 \text{ points})$

- 1 Which statement describes the value of $\sqrt{32}$?
 - (A) The value of $\sqrt{32}$ is between 4 and 4.5.
 - (B) The value of $\sqrt{32}$ is between 4.5 and 5.
 - (c) The value of $\sqrt{32}$ is between 5 and 5.5.
 - (D) The value of $\sqrt{32}$ is between 5.5 and 6.
- 2 The length of the diagonal of a rectangle is $\sqrt{107}$ centimeters.

Which statement describes the length of the diagonal?

- (A) The length is between 10 and 11 centimeters.
- (B) The length is between 11 and 12 centimeters.
- (C) The length is between 12 and 13 centimeters.
- (D) The length is between 13 and 14 centimeters.

Assessment Guide Course 3

Compare the numbers below.

$$1.\overline{23}, \frac{9}{7}, -\sqrt{2}, -\sqrt[3]{3}, -2.3, 0.2\pi$$

Which statements are true?

Choose all that apply.

- (A) 0.2π is between $-\sqrt{2}$ and $1.\overline{23}$.
- (B) $-\sqrt{2}$ is between -2.3 and $-\sqrt[3]{3}$.
- $\bigcirc \frac{9}{7}$ is the greatest number.
- D 2.3 is the least number.
- (E) Both $-\sqrt{2}$ and $-\sqrt[4]{3}$ are between -1.5 and -1.
- Which statements are true?

Choose all that apply.

- (A) The number 123.0 has 3 significant digits.
- B The number 30.0012 has 6 significant digits.
- © The number 0.0010 has 1 significant digit.
- (D) The number 0,0047 has 2 significant digits.
- (E) The number 2,000 has 4 significant digits.
- What is the value of 605,498 correct to 3 significant digits?
 - A 605,000
 - B 605,400
 - C 610,400
 - (D) 600,000

Section B Short Answer Questions

(6) to 10: 2 points each)

6 Graph the position of $-\sqrt{51}$ on a number line.

Show your drawing in the space below.

7 Graph the following numbers on a number line, and state the greatest and the least numbers.

 $-2.4, \frac{2}{7}, 2\sqrt{3}, \sqrt[3]{68}, -\pi$

Show your drawing, and write your answers in the space below.

Find the number of significant digits in each number.

Write each answer in the table.

Number	Number of Significant Digits
3.98	8
0.0604	
3,543	
12,060	

The number e is a famous irrational number. Its value equals 2.7182818284.....

Round this number to 4 significant digits.

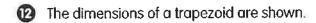
Write your answer in the answer grid.

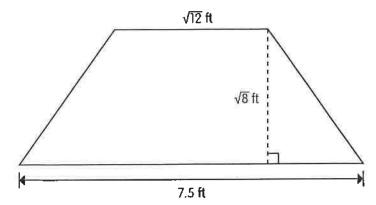
	000000000000000000000000000000000000000		

Evaluate $\frac{4+\sqrt{5}}{1-\pi}$. Round your answer to 3 significant digits.

Write your answer in the answer grid.

	00000000000		10000000000000000000000000000000000000
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Calculate the area of the trapezoid to 4 significant digits.

Explain how you worked out the answer in the space below.

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Section C Constructed Response

(1): 3 points; (2): 2 points)

This question has two parts.

Part A

Locate $\sqrt{34}$ on a number line. Explain how you found its position on the number line.

Show your drawing and explanation in the space below.

Give another irrational number in the form of \sqrt{n} , where n is an integer. The value of this irrational number must be between $\sqrt{34}$ and 6.

Write your answer in the space below.

Gateway Lab School

Professional Development and support in using the materials to deliver high quality...instructional experiences...addressing the CCSS



	εh	a	

Find a pattern in the following set of Whole Numbers:

2, 20, 200, 2000

House of Cards

- Objective to haild a house of cards in the time allowed, (5 mins)
- *House most be built in the current room
- Use as many of the cards in the deck as you can to make you shouse large and study.

Obstacles Thick-Pair-Shace "What obstacles did we encounted" "What was my first reaction/fieling?" "What did I wast to do when I encountered the obstacle? "What did we do as a group when we faced the classade? What was the result?	
Engagement: Why? Concest to hold the largest know used cards house. Roles were casp. Marenals were continue and accessible. We ask our students to engage in activities of learning every days are thus experiences relevant to them all? Can they access a feeling of interest, wonder, twe?	
Representation: What? *What is a house? *What will hold the cards up? *What resources are available? *What did the group do us respond to the obstacle?	

We differentiate our presentations to meet the students' needs by removing obstacles they have toward successful learning.

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Actions/	the Series	TOSSIC	TITE"	1100	100
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How do we know if a group socieded?

How does each one/sexup fed about their accomplishment or failure?

We furnatively assess learning everyday and sunymatively for purposes of reporting. What does/can assessment show about overcoming obstacles?

-				

Response to Intervention TEACHER STRATEGIES THAT WORK	
Math Talk Which one does NOT belong and why?	
The Rtl Tiers Tier One - whole group instructional strategies in the "regular" classroom Tier Two - small group intervention for struggling students	
Tier Two - small group intervention for struggling students Tier Three - one-on-one intervention for faltering students	

General Rtl Strategies Dr. Food Jones, To delica To cocking

Work the Crowd
Praise-Prompt-Leave
VIP (Visual Instruction Plan)
Input-Output, Input-Output...
Structured Practice
Preferred Activity Motivation

ı	М	ore	Strategies	Special Education Guide 2013 2019
•		\sim	20000000	Shinder condition And Say 3 4413

Tier 2

Small group instruction Intentional Strategies Slower pace Frequent progress monitor

Small group problems

Tier 3

Individualized instruction
Teacher modeling
Direct instruction
Metacognition
Frequent progress monitor

Pieces of the Puzzle

WHAT: The whole puzzle-mathematically proficient students and problem solvers

HOW: Empowered teachers proficient with standards-based instruction, best practices, within the Universal Design for Learning (UDL) working as a community of Professional Learners (PLC)

Some Puzzle Pieces:

- 1. Curriculum Resources (Math in Focus)
- 2. Administrative Support
- 3. Common Core Standards
- 4. Personal experiences in teaching
- 5. The 8 Math Practices
- 6. UDL Planning (Whole brain learning-brain research)
- 7. Your friendly neighborhood Math Coach

Personal Goals: Which piece of the puzzle would I benefit from a greater focus this Trimester?				
mmester:				
	*			9 1
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7	36			

Essential Teaching Strategies:

Reasoning with the Common Core State Standards

Promoting Reasoning and Problem Solving

Identify the CCSS:	Describe Activity:
Standard:	
Task Analysis	Reasoning for Rating:
1-Memorization	
2- Procedure w/o Connectedness	
3- Procedure with Connectedness	
4- Complex Multi-step Mathematics	

Gateway Lab School

Revised pacing guides from vendor according to local school calendar and needs

September 2019

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October 2019

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November 2019

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February 2020

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### May 2020

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### April 2020

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### May 2020

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