

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #4, Standard 6.EE.4

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Select each expression that is equivalent to  $3(n + 6)$  .

Select **all** that apply.

A.  $3n + 6$

B.  $3n + 18$

C.  $2n + 2 + n + 4$

D.  $4(n + 6) - (n + 6)$

E.  $4(n + 6) - (n - 6)$

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1. What do you know about the problem?

2. What questions do you have?

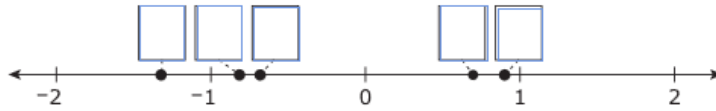
3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #5, Standard 6.NS.7a

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Drag and drop the given rational numbers into the correct order on the number line from least to greatest.

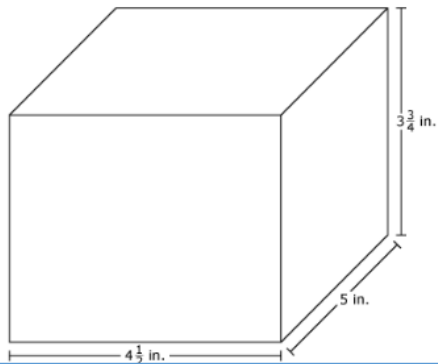
$-\frac{2}{3}$	$\frac{7}{8}$	$-\frac{4}{5}$	$\frac{7}{10}$	$-\frac{4}{3}$
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1. What do you know about the problem?
2. What questions do you have?
3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #6, Standard 6.G.1-2

Small cubes with edge lengths of  $\frac{1}{4}$  inch will be packed into the right rectangular prism shown.



How many small cubes are needed to completely fill the right rectangular prism?

Enter your answer in the box.

 cubes

1. What do you know about the problem?
2. What questions do you have?
3. Explain your reasoning or thinking in solving the problem.

Enter your answer in the box.

$48.3 \times 7.39 =$

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1. What do you know about the problem?
  2. What questions do you have?
  3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #8, Standard 6.EE.6

During a sale, all pillows are  $\frac{1}{4}$  off the regular price.

Use the equation editor to write an expression that represents the amount of money saved on a pillow that had a regular price of  $d$  dollars.

Enter your answer in the space provided. Enter **only** your expression.

The image shows an equation editor interface. At the top is a toolbar with icons for undo, redo, clear, insert, plus, minus, multiply, divide, fraction, square root, power, square root, equals, and approximate. Below the toolbar is a large empty text box for entering the expression. To the right of the text box is a vertical dropdown menu with the following options: Numbers, Arithmetic and Units, Exponents and Roots, Relations, Geometry, and Groups.

1. What do you know about the problem?
2. What questions do you have?
3. Explain your reasoning or thinking in solving the problem.

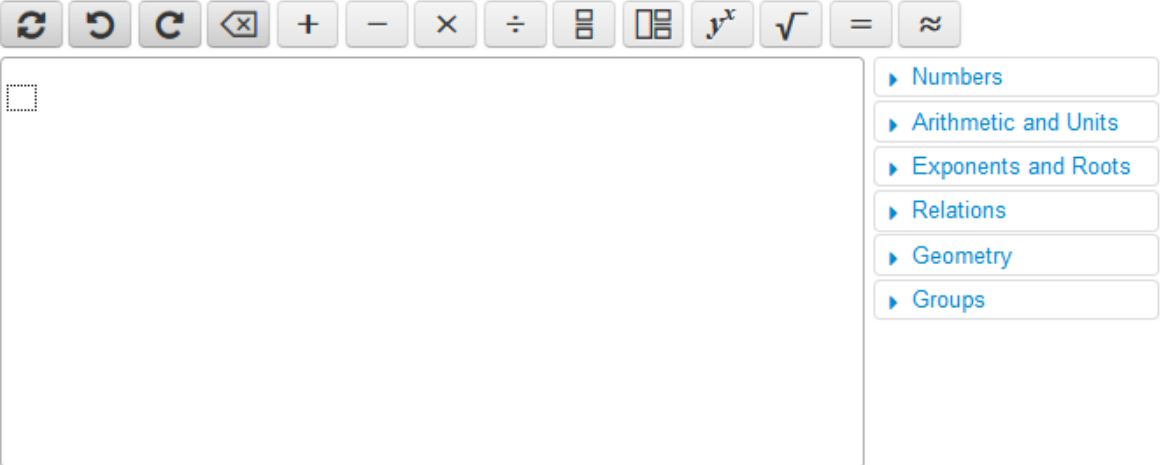


6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #14, Standard 6.EE.1-1

An expression is shown.  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 \cdot 7$

What is the expression written in exponential form?

Enter your expression in the space provided. Enter **only** your expression.



1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #15, Standard 6.RP.1

This table shows the number of books, by type, checked out from the school library on Monday.

**Book Checkout**

Book Type	Number of Books
Mystery	24
Nonfiction	18
Adventure	12
Humor	16

Use the drop-down menus to complete this statement.

For every  mystery books checked out,

nonfiction books were checked out.

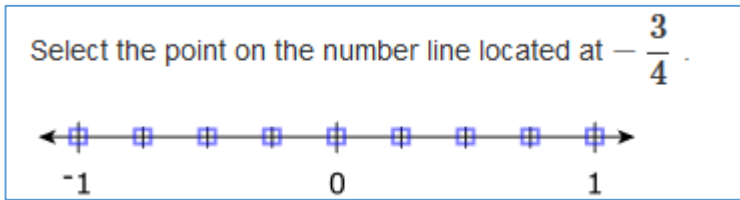
Choose...
2
3
4
6

1. What do you know about the problem?
2. What questions do you have?
3. Explain your reasoning or thinking in solving the problem.



6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #16, Standard 6.NS.6c-1

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1. What do you know about the problem?
2. What questions do you have?
3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #20, Standard 6.EE.8

Cirrus clouds form more than 6,000 meters above Earth. Write an inequality to represent  $h$ , the height, in meters, of cirrus clouds.

Enter your answer in the box.

Calculator interface showing a row of buttons: undo, redo, redo, delete, +, -, ×, ÷, fraction, decimal,  $y^x$ ,  $\sqrt{\quad}$ , =, and a separate button for  $\approx$ .

Input box containing a small square cursor icon.

- ▶ Numbers
- ▶ Arithmetic and Units
- ▶ Exponents and Roots
- ▶ Relations
- ▶ Geometry
- ▶ Groups

1. What do you know about the problem?
  
  
  
  
  
  
  
  
  
  
2. What questions do you have?
  
  
  
  
  
  
  
  
  
  
3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #2 (Part 2: Calculator), Standard 6.RP.3b

Chad drove 168 miles in 3 hours.

**Part A**

How many miles per hour did Chad drive?

Enter your answer in the box.

miles per hour

**Part B**

Chad will drive 672 more miles. He continues to drive at the same rate.

How many hours will it take Chad to drive the 672 miles?

Enter your answer in the box.

hours

**Part C**

Chad stopped and filled the car with 11 gallons of gas. He had driven 308 miles using the previous 11 gallons of gas.

How many miles per gallon did Chad's car get?

Enter your answer in the box.

miles per gallon

**Part D**

Chad's car continues to get the same number of miles per gallon.

How many gallons of gas will Chad's car use to travel 672 miles?

Enter your answer in the box.

gallons



Shelly biked 21 miles in 4 hours.

**Part A**

What is Shelly's average speed in miles per hour?

Enter your answer in the box.

**Part B**

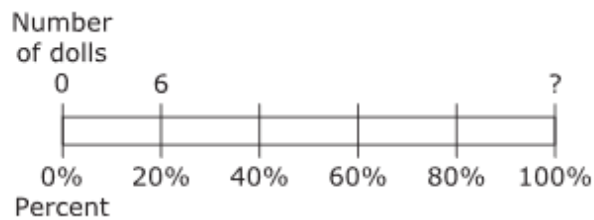
At the same rate, how many hours will it take Shelly to bike 42 miles?

Enter your answer in the box.

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1. What do you know about the problem?
  2. What questions do you have?
  3. Explain your reasoning or thinking in solving the problem.

6<sup>th</sup> Grade PARCC EOY Sample Assessment Item #9, (Part 2: Calculator), Standard 6.RP.3c-1

Anita brings 6 dolls to her grandma's house. These dolls represent 20% of Anita's doll collection, as shown in the diagram.



What is the total number of dolls in Anita's doll collection?

Enter your answer in the box.

1. What do you know about the problem?
2. What questions do you have?
3. Explain your reasoning or thinking in solving the problem.