

THE Big Ten

Standards

Day 1

Day 2

Day 3

Day 4

Day 5

Oct 19-10:10 AM

THE Big Ten

Standards

Day 1

The temperature in the city of Coopersville is -9 degrees F

The temperature in the city of Sparta is -4 degrees F

The temperature in the city of Conklin is -5 degrees

Jason claims that the temperature is the warmest in Coopersville. Select all the inequalities that disprove Jason's claims.

-9 > -4      -9 < -5      -5 < -9      -4 > -9      -5 < -4

Oct 19-10:12 AM

Enter the missing value.

x	y
1	8
2	16
4	
7	56

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Day 2

Barry is designing a box. He knows the box will be a height of 14 inches and a width of 16 inches. Enter an Expression to represent the length of the box in cubic inches. Use x to represent the length of the box in inches.

Oct 19-10:23 AM

Collin rented an apartment for \$350 a month. Let m = months and Let r = rent

How much was spent on rent after 5 months?

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Day 3

Lynda's living room has the following shape. The room is made by joining a square and a rectangle. Enter the total area of Lynda's living room, in square feet.

Oct 19-10:23 AM

Ms. James draws a table showing a proportional relationship on the board. She asks the students to find the missing value.

Which of the following students correctly describes how to find the missing value.

- A. Tabitha says to add  $4 + 6 = 10$  because  $2 + 6 = 8$
- B. Lucy says to multiply  $4 \times 4 = 16$  because  $2 \times 4 = 8$
- C. Frank says to divide  $4 \div 4 = 1$  because  $20 \div 4 = 5$
- D. Beevis says to subtract  $20 - 1 = 19$  because  $5 - 1 = 4$

x	y
2	8
4	
5	20

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**THE Big Ten Standards** Day 4

A rectangle has the coordinates Point A (4,6) Point B (-2,6) Point C (-2,2) Point D (4,2)

How long is CD?

Oct 19-10:23 AM

Bob scuba dives in the ocean

- He is 150 ft below the surface of the water
- He swims up towards the surface of the water at a rate of 15 feet for every 30 seconds.

After 2 minutes of ascending, he stops for a break. How far away is Bob in feet, from the surface of the water?

Oct 19-10:23 AM

**THE Big Ten Standards** Day 5

A painter uses  $2 \frac{2}{3}$  gallons of paint to cover the surface area of  $800\text{ft}^2$ . At this rate, how many gallons of paint will the painter use to cover a surface area of 2000 square feet?

A.  $5 \frac{1}{3}$  B.  $5 \frac{2}{3}$  C.  $6 \frac{2}{3}$  D.  $7 \frac{1}{3}$

Oct 19-10:23 AM

3 students in science class measured the heights of their plants and the results are as follows.

Kyle 3.2 cm Christy  $3 \frac{1}{2}$  cm Maggie  $3 \frac{3}{10}$  cm

Write the numbers in order from least to greatest.

Oct 19-10:28 AM

Mrs. Carson ordered 4 computers for her classroom. Each computer costs the same amount. She spent a total of \$1,502. First choose the equation that can be used to find the amount,  $x$ , in dollars, that Mrs. Carson spent on each computer. Then choose the solution to the equation.

$x + 4 = 1502$	$x = 375.50$
$x - 4 = 1502$	$x = 1498$
$4x = 1502$	$x = 1502$
$x/4 = 1502$	$x = 1608$

Apr 20-2:03 PM

Equivalent to $3y + 3$	Not Equivalent to $3y + 3$

$3(y) + 1$     $2y + y + 3$     $3(y+1)$     $3(y) + 1y$

Apr 20-2:16 PM