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

Enter the value of p that makes the given equation true.

$$p \cdot 9 = 108$$

Oct 19-10:12 AM

Select the inequalities that have the set (-3,-2,0,1,3,4) as possible solutions for x.

x< 6   x> -3

x< 5   x> 7

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THE **Big Ten** *Standards* Day 2

Drag a number into the empty box that will make the equation true.

$$\frac{2}{4} + 1 + \frac{1}{3} + \frac{1}{8} = \frac{2}{6} + \boxed{} + \frac{1}{2} + \frac{1}{8}$$

$$\frac{1}{8}, \quad \frac{1}{3}, \quad \frac{2}{4}, \quad 1$$

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This table contains equivalent ratios between x and y. Find the missing value

x	y
3	2
6	4
	12
27	18

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THE **Big Ten** *Standards* Day 3

A toy factory designed a new container in the shape of a rectangular prism that is 18 cm tall with a base of 9 cm by 4.5 cm. The edges of a toy in the shape of a cube measures 1.5 cm. In the first box, enter the volume, cm^3 of the regular container. In the second box enter the number of toys that would fit into the new container.

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Russ baked 126 cookies in 3 hours. Enter the number of cookies Russ bakes in 5 hours at this rate.

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Big Ten Standards Day 4

Alexander can make 12 cakes in 2 hours. Brianna can make 18 cakes in 3 hours, Caleb can make 22 cakes in 4 hours.

Select all true statements.

1. Alexander makes cakes slower than Caleb because 12 is less than 22

2. Alexander makes cakes slower than Brianna because 12 is less than 18

3. Brianna makes cakes faster than Alexander because 18 is more than 12

4. Brianna and Alexander make cakes at the same rate because they both can make 6 cakes in 1 hour

5. Caleb makes cakes faster than Brianna because 22 is more than 18

6. Caleb Makes Cakes slower than Alexander because his rate per hour is less than Alexander's rate per hour

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The coach needs to hire two assistant managers to help with the track and field team. Which is a statistical question?

1. Do you exercise everyday?

2. How many runners are there in a regular relay race?

3. What is the fastest time to run a mile ever recorded?

4. How many track and field teams have you assisted in the past?

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Big Ten Standards Day 5

Holly made a map of her neighborhood. On the map, her house is located at (-3,2). Annie lives exactly 4 blocks away from Holly. Holly can walk straight in one direction (without turning) to get from her house to Annie's house. Plot the points to show all the possible locations of Annie's house. Write the ordered pairs on your paper.

Oct 19-10:23 AM

Joe wants to limit his laundry water usage to only 350 gallons per week. The table shows how many loads of laundry he has done this week. Each load of laundry requires 40 gallons of water.

Enter the number of loads of Laundry Joe can do over the weekend so he does not exceed his laundry water usage for the week.

Day	Loads
M	2
T	1
W	1
T	0
F	2

Oct 19-10:28 AM