

THE

Big
Ten

Standards

Day 1	Division & Operations with Decimals
Day 2	Expressions and Distributive Property
Day 3	Equations and Area
Day 4	Statistics and Surface Area and Volume
Day 5	Unit Conversions and Operations with Fractions

Oct 19-10:10 AM

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Day 1

I can divide multi-digit numbers.

7. John set up a new pool in his backyard. It took 10 hours to fill his new pool with 1,500 gallons of water.

What was the unit rate in gallons per hour?


- A. 15 gallons per hour
- B. 150 gallons per hour
- C. 1,500 gallons per hour
- D. 15,000 gallons per hour

Oct 19-10:12 AM

I can add, subtract, multiply, and divide decimals.

Select ALL of the expressions that have a value of 2.4

- A. $16 - (6.2 + 5 + 2.4)$
- B. $0.6 \cdot 0.4$
- C. $0.96 \div 0.4$
- D. 0.6×4



Oct 19-10:23 AM

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Day 2

I can write, evaluate, and find equal expressions.

Part 1

The cost of an admission ticket to a festival is y dollars for the first ticket and then \$5 off the ticket price for each additional ticket purchased.

Select all of the following expressions that represent the total cost of buying two tickets.

- $2y - 5$
- $y + 5y$
- $y + (5 - y)$
- $y + (y - 5)$

Part 2

Xavier bought two tickets for the festival. If the admission ticket price was \$14, how much did Xavier pay for his two tickets?

\$

Oct 19-10:23 AM

I can use the distributive property to write equal expressions.

Use the Distributive Property and simplify to find an equal expression.

$6x + 3y + 6(2x + 4) - 10x - 2y$

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Day 3

I can write and solve one step equations.

Solve the following equation.

14. Each of Mr. Bell's chickens lays an average of 300 eggs per year. This year, Mr. Bell collected about 5,400 eggs.

Solve the equation below for n to find the number of chickens that Mr. Bell owns.

$300n = 5,400$

- A. $n = 18$
- B. $n = 22$
- C. $n = 5,100$
- D. $n = 1,620,000$

Oct 19-10:23 AM

I can find the area of complex figures.

29. The shape below is made by combining two rectangles with a triangle.

What is the area of the entire shape?

$Area_{rectangle} = length \times width$
 $Area_{triangle} = 1/2 \times base \times height$

A. 124 square inches
 B. 148 square inches
 C. 152 square inches
 D. 6,048 square inches

Oct 19-10:23 AM

I can find the mean, median, mode, and range given a set of numbers.

THE Big Ten Standards Day 4

Find the mean, median, mode, and range of the following set of numbers.

1. Principal Smith would like to know how many hours per week teachers usually spend grading homework. She surveyed 13 teachers and recorded their answers in the line plot below.

Based on this plot, what is the median number of hours spent grading homework each week?

A. 15
 B. 16
 C. 17
 D. 18

Oct 19-10:23 AM

I can find the surface area and Volume of 3D figures.

Find the surface area of the triangular prism.

Oct 19-10:23 AM

I can find convert unit of measurement.

THE Big Ten Standards Day 5

Convert 30 ft per second to yds per minute.

Oct 19-10:23 AM

I can divide fractions and mixed numbers.

How many little boxes fit into the back of the truck?

Oct 19-10:28 AM

Blank space for student work.

Feb 26-9:05 AM