Name: _____ Class: _____ Date: _____

3

George's weekly pay rate is $455 per week.
He receives a 20% raise.

How can George calculate his new weekly wage rate?

Drag each calculation to the category that correctly describes whether the calculation on its own can find George's new weekly pay rate.

Finds new wage rate	Does not find new wage rate

Divide $455 by 0.20

Multiply $455 by 0.20

Solve for x: $\frac{x}{455} = \frac{120}{100}$

Solve for x: $\frac{455}{x} = \frac{20}{100}$

Divide $455 by 1.20

Multiply $455 by 1.20

5

An equation is shown.

$$a \cdot b = c$$

Given this equation, drag one value into each box to complete four different equations. Assume a, b, and c are not 0.

a

b

c

$-a$

$-b$

$-c$

Delete

$-a \cdot \square = c$

$\square \cdot \square = -c$

$\frac{\square}{-b} = a$

$\frac{\square}{\square} = -a$

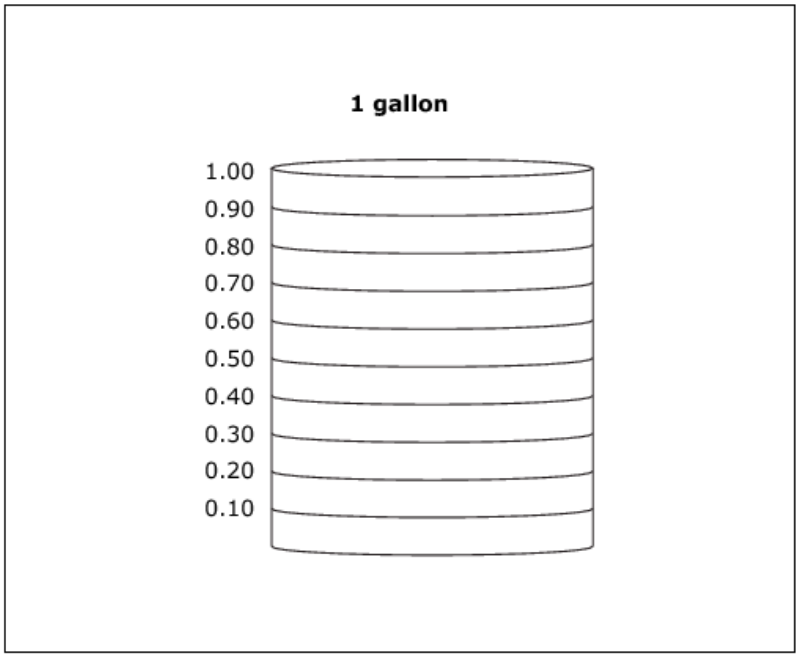
8

Tim makes 80 gallons of paint by mixing 48 gallons of green paint with 32 gallons of blue paint.

What part of every gallon is from green paint?

The model represents 1 gallon of mixed paint.

Select the bars to show how much of the gallon is from green paint.



11

A set contains the numbers 0, 5, 10, and 12.

Two different numbers are selected randomly from this set.

What is the probability that each of the given events will occur?

Drag a number to each box to form fractions to show your answers.

0

1

2

3

4

5

Delete

Probability that the sum is greater than 11 = $\frac{\square}{\square}$

Probability that the product is 0 = $\frac{\square}{\square}$