Lesson 9: Practice Problems

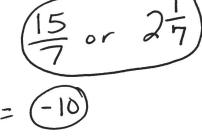
1. Find the quotients:

2. Find the quotients.

a.
$$\frac{2}{5} \div \frac{3}{4}$$
 $\frac{3}{5} \times \frac{4}{3} = \frac{8}{15}$

b.
$$\frac{9}{4} \div \frac{-3}{4}$$
 $\frac{3}{4}$ $\times \frac{4}{3} = -3$

c.
$$\frac{-5}{7} \div \frac{-1}{3}$$
d. $\frac{-5}{3} \div \frac{1}{6}$



3. Is the solution positive or negative?

a.
$$2 \cdot x = 6$$
 positive

b.
$$-2 \cdot x = 6.1$$
 negative

c.
$$2.9 \cdot x = -6.04$$
 negative

d.
$$-2.473 \cdot x = -6.859$$
 positive



Find the solution mentally.

a.
$$3 \cdot (-4) = a$$

b.
$$b \cdot (-3) = -12$$

c.
$$(-12) \cdot c = 12$$

b.
$$b \cdot (-3) = -12$$
 4
c. $(-12) \cdot c = 12$ - 1
d. $d \cdot 24 = -12$ - 1/2

- In order to make a specific shade of green paint, a painter mixes $1\frac{1}{2}$ quarts of blue paint, 2 cups of green paint, and $\frac{1}{2}$ gallon of white paint. How much of each color is needed to make 100 cups of this shade of green paint?
- Here is a list of the highest and lowest elevation on each continent.

	highest point (m)	lowest point (m)
Europe	4,810	-28
Asia	8,848	-427
Africa	5,895	-155
Australia	4,884	-15
North America	6,198	-86
South America	6,960	-105
Antarctica	4,892	-50

- Which continent has the largest difference in elevation? The smallest?
- Make a display (dot plot, box plot, or histogram) of the data set and explain why you chose that type of display to represent this data set.