Lesson 11 Practice Problems

1. Find the quotients:

   a. $24 \div -6$

   b. $-15 \div 0.3$

   c. $-4 \div -20$

2. Find the quotients.

   a. $\frac{2}{5} \div \frac{3}{4}$

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

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

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

3. Is the solution positive or negative?

   a. $2 \cdot x = 6$

   b. $-2 \cdot x = 6.1$

   c. $2.9 \cdot x = -6.04$

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

4. Find the solution mentally.

   a. $3 \cdot -4 = a$

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

   c. $-12 \cdot c = 12$

   d. $d \cdot 24 = -12$

5. 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?

(From Unit 4, Lesson 2.)

6. 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
Antartica	4,892	-50

a. Which continent has the largest difference in elevation? The smallest?

b. 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.

(From Unit 5, Lesson 3.)