Lesson 15 Practice Problems

1. Evaluate each expression:

   a. $-1 \cdot 2 \cdot 3$

   b. $-1 \cdot (-2) \cdot 3$

   c. $-1 \cdot (-2) \cdot (-3)$

2. Find the value of each expression.

   a. $\frac{1}{4} \cdot (-12)$

   b. $-\frac{1}{3} \cdot 39$

   c. $(-\frac{4}{5}) \cdot (-75)$

   d. $-\frac{2}{5} \cdot (-\frac{3}{4})$

   e. $\frac{8}{3} \cdot -42$

3. Fill in the missing numbers in these equations

   a. $(-7) \cdot ? = -14$

   b. $? \cdot 3 = -15$

   c. $? \cdot 4 = 32$

   d. $-49 \cdot 3 = ?$

4. These three points form a horizontal line: $(-3.5, 4)$, $(0, 4)$, and $(6.2, 4)$. Name two additional points that fall on this line.

(From Unit 7, Lesson 11.)

5. Order each set of numbers from least to greatest.

   a. 4, 8, -2, -6, 0

   b. -5, -5.2, 5.5, $-5\frac{1}{2}$, $\frac{-5}{2}$

(From Unit 7, Lesson 1.)

6. Decide whether each table could represent a proportional relationship. If the relationship could be proportional, what would be the constant of proportionality?

   a. Annie's Attic is giving away $5 off coupons.

original price	sale price
$15	$10
$25	$20
$35	$30

   b. Bettie's Boutique is having a 20% off sale.

original price	sale price
$15	$12
$25	$20
$35	$28

(From Unit 5, Lesson 4.)