

Lesson 10 Practice Problems

1. Evaluate each expression:

a. $-12 \cdot \frac{1}{3}$

b. $-12 \cdot -\frac{1}{3}$

c. $12 \cdot \left(-\frac{5}{4}\right)$

d. $-12 \cdot \left(-\frac{5}{4}\right)$

2. Evaluate each expression:

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

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

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

3. 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 5, Lesson 1.)

6. a. Clare is cycling at a speed of 12 miles per hour. If she starts at a position chosen as zero, what will her position be after 45 minutes?
- b. Han is cycling at a speed of -8 miles per hour; if he starts at the same zero point, what will his position be after 45 minutes?
- c. What will the distance between them be after 45 minutes?

(From Unit 5, Lesson 8.)

7. Fill in the missing numbers in these equations

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

b. $? \cdot 3 = -15$

c. $? \cdot 4 = 32$

d. $-49 \cdot 3 = ?$

(From Unit 5, Lesson 9.)