Homework

Activity 1

Write a general statement for the properties shown.

Model Multiplicative Property of Zero

Examples:
$$1 \cdot 0 = 0$$

$$2 \cdot 0 = 0$$

3 · 0 = 0 Answer:
$$n \cdot 0 = 0$$

1. Additive Inverse Property Examples:

$$5 + -5 = 0$$

$$10 + -10 = 0$$

$$2 + -2 = 0$$

2. Identity Property of Addition Examples:

$$3 + 0 = 3$$

$$\frac{2}{3} + 0 = \frac{2}{3}$$

$$6,000 + 0 = 6,000$$

3. Multiplicative Inverse Property

Examples:

$$2 \cdot \frac{1}{2} = 1$$

$$3 \cdot \frac{1}{3} = 1$$

$$5 \cdot \frac{1}{5} = 1$$

Activity 2

Use PEMDAS and integer rules to evaluate the numeric expressions. Remember to do diagnostics first, then go to the Algebra Toolbox.

1.
$$-6 \cdot -6 + -6 - 6$$
 2. $5 - 10 + -7$

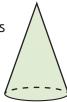
2.
$$5-10+-7$$

4.
$$-24 \div (-8 - -2) + -2$$
 5. $18 - 25 + 4 - -1$

Activity 3

Tell the volume of each shape.

1. height = 10 inches Base = 15 square inches



2. height = 12 inches Base = 21 square inches



Activity 4 • Distributed Practice

Solve.

1.
$$2--2+-2=a$$
 2. $4^2+6-5=b$

2.
$$4^2 + 6 - 5 = b$$

3.
$$(-3+-1) \cdot (-5+4) = c$$

4.
$$\frac{6}{1} \div \frac{1}{2} = 0$$

4.
$$\frac{6}{1} \div \frac{1}{2} = d$$
 5. $\frac{2}{1} \cdot \frac{1}{2} = e$

6.
$$-\frac{1}{3} \cdot \frac{1}{3} = f$$

7.
$$(-3+-4)\cdot -2 = g$$
 8. $\frac{8}{1}\cdot \frac{1}{8} = h$

8.
$$\frac{8}{1} \cdot \frac{1}{8} = h$$