

Homework

Activity 1

Tell the missing value for the variable.

1. $a + 7 = 13$

2. $18 - b = 9$

3. $c - 9 = 8$

4. $9 + d = 15$

5. $e \cdot 7 = 21$

6. $42 \div f = 6$

Activity 2

Select the statement that best describes the pattern.

Model $1 \cdot 8 = 8$

$1 \cdot 20 = 20$

$1 \cdot 500 = 500$

(a) $x \cdot 1 = x$

(b) $1 \cdot x = x$

(c) $1 \cdot 1 = x$

Answer: b, $1 \cdot x = x$

1. $0 \cdot 1 = 0$

$0 \cdot 50 = 0$

$0 \cdot 100 = 0$

(a) $x \cdot 1 = x$

(b) $1 \cdot x = x$

(c) $0 \cdot x = 0$

2. $3 + 0 = 3$

$\frac{1}{2} + 0 = \frac{1}{2}$

$325 + 0 = 325$

(a) $3 + x = 3$

(b) $x + 0 = x$

(c) $x + \frac{1}{2} = x$

3. $5 \cdot 1 = 5$

$66 \cdot 1 = 66$

$107.5 \cdot 1 = 107.5$

(a) $x \cdot 1 = x$

(b) $1 \cdot 1 = x$

(c) $5 \cdot x = 5$

4. $44 - 44 = 0$

$375 - 375 = 0$

$1\frac{1}{2} - 1\frac{1}{2} = 0$

(a) $44 - 44 = x$

(b) $x - 0 = x$

(c) $x - x = 0$

Homework

Activity 3

A value has been inserted for the variable in each of the following general statements. Is the statement true or false? Write T or F on your paper.

Model $x + 1 = x$

Replace x with 5.

$$5 + 1 = 5$$

Answer: False

- $0 - y = y$
 Replace y with 10. $\rightarrow 0 - 10 = 10$
 Is the statement true or false?
- $1 \cdot h = h$
 Replace h with 5. $\rightarrow 1 \cdot 5 = 5$
 Is the statement true or false?
- $w - 0 = w$
 Replace w with 6. $\rightarrow 6 - 0 = 6$
 Is the statement true or false?
- $a \cdot a = 1$
 Replace a with 2. $\rightarrow 2 \cdot 2 = 1$
 Is the statement true or false?
- $0 \cdot b = 0$
 Replace b with 25. $\rightarrow 0 \cdot 25 = 0$
 Is the statement true or false?

Activity 4 • Distributed Practice

Solve.

- $1.75 \cdot 0.1$
- $\frac{12}{2} - \frac{10}{2}$
- $567.05 - 49.97$
- $\frac{3}{9} + \frac{1}{3}$
- $42.7 \div 0.7$
- $\frac{4}{5} \cdot \frac{5}{9}$
- $\frac{3}{7} - \frac{1}{7}$
- $22.75 + 33.75 + 5.25$