Homework

Activity 1

Select the best translation for each statement.

1. Matthew's roaming charges are \$3 for every call made out of the area. If x is the total amount due for roaming charges and c is the number of calls made out of the area, then
   (a) $3 = x \cdot c$
   (b) $x = 3 \cdot c$
   (c) $3 \cdot x = c$

2. Members of the gym pay $\frac{1}{2}$ the amount of what nonmembers pay for using the gym. If y is the cost for members and z is the cost for nonmembers, then
   (a) $y = z + \frac{1}{2}$
   (b) $y - \frac{1}{2} = z$
   (c) $z \cdot \frac{1}{2} = y$

3. $A = 3 \cdot B$
   If A and B are similar shapes, then
   (a) A is 3 times bigger than B.
   (b) B is 3 more than A.
   (c) A is 3 less than B.

Activity 2

Give dimensions for a similar shape in each problem.

1. Shape A is a 2×4 rectangle. Shape B is a similar shape with dimensions $? \times ?$ if the scaling factor is 2.

2. Shape C is a 3×3 square. Shape D is a similar shape with dimensions $? \times ?$ if the scaling factor is 3.

3. Shape W is a 1×2 rectangle. Shape X is a similar shape with dimensions $? \times ?$ if the scaling factor is 10.

Homework

Activity 3

Select the correct formula for each problem. Inputs are represented by *x* and outputs are represented by *y*.

1. Manuel sold candy bars in his neighborhood for a school fundraiser. The table shows how many bars he sold and how much he collected. If x is the number of bars sold and y is the money collected, which formula represents the data?

Candy Bars Sold	Money Collected
5	$10
6	$12
7	$14
2	$4

(a) $x = 2 \cdot y$ **(b)** $y = 2 \cdot x$ **(c)** $x \cdot y = 2$

2. Franco helps his grandfather pick up apples under the tree in the fall. His grandfather pays him to help. The table shows how many bushels of apples Franco collected and how much money he earned. If x is the number of bushels collected and y is the money Franco earned, which formula represents the data?

Bushels of Apples	Money Earned
8	$4
6	$3
10	$5
2	$1

(a) $y = x - 4$ **(b)** $x = y \cdot 2$ **(c)** $y + 4 = x$

Activity 4 • Distributed Practice

Solve.

1. $\frac{2}{3} \cdot \frac{4}{5}$

2. 19.29 + 3.07

3. 44.01 − 19.78

4. 567.85 + 689.97 + 598.01 + 499.76

5. $\frac{2}{8} \div \frac{1}{4}$

6. 1.11 • 0.9

7. $\frac{5}{8} - \frac{1}{6}$

8. 0.333 ÷ 0.3