



Name _____ Date _____

**Skills Maintenance****Solving Proportions****Activity 1**

Solve each of the proportions by finding the correct value for the variable.

1. $\frac{5}{10} = -\frac{10}{x}$ $x =$ _____

2. $\frac{1}{2} = \frac{w}{16}$ $w =$ _____

3. $\frac{z}{4} = \frac{15}{20}$ $z =$ _____

Substitution**Activity 2**

Substitute the value of the variable and solve.

1. Solve $y = 3x$ if $x = 3$. _____

2. Solve $y = 2x$ if $x = 2$. _____

3. Solve $y = 5x$ if $x = 20$. _____

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Apply Skills

The X/Y Table and Functions

Activity 1

Write a function for each problem using the variables x and y to describe the data in the x/y tables. Remember to put the y on the left. Check your answer by substituting in one of the x -values to make sure you get the corresponding y -value.

1. What is the function? _____

x	y
3	24
7	56
10	80
6	48
2	16

Check the answer here:

2. What is the function? _____

x	y
3	6
4	8
10	20
100	200
2	4

Check the answer here:



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3. What is the function? _____

<i>x</i>	<i>y</i>
4	12
10	30
30	90
100	300
1	3

Check the answer here:

4. What is the function? _____

<i>x</i>	<i>y</i>
10	100
2	20
300	3,000
1	10
50	500

Check the answer here:

mBook Reinforce Understanding
 Use the mBook *Study Guide* to review lesson concepts.