



## Multiplying Absolute Value

Date \_\_\_\_\_ Period \_\_\_\_\_

**Evaluate.**

1.  $|-3| * |-8|$

24

2.  $|7| * |3|$

21

3.  $|-8| * |-3|$

24

4.  $|8| * |-4|$

32

5.  $|-8| * |2|$

16

6.  $|6| * |-2|$

12

7.  $|9| * |-6|$

54

8.  $|-3| * |2|$

6

9.  $|9| * |9|$

81

10.  $|-4| * |3|$

12

11.  $|-9| * |-9|$

81

12.  $|6| * |7|$

42

## Multiplying Absolute Value

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solution Steps**

$$1) \quad | - 3 | * | -$$

$$| - 3 | = 3$$

$$| - 8 | = 8$$

$$3 * 8 = 24$$

$$2) \quad | 7 | * | 3 |$$

$$| 7 | = 7$$

$$| 3 | = 3$$

$$7 * 3 = 21$$

$$3) \quad | - 8 | * | -$$

$$| - 8 | = 8$$

$$| - 3 | = 3$$

$$8 * 3 = 24$$

$$4) \quad | 8 | * | -$$

$$| 8 | = 8$$

$$| - 4 | = 4$$

$$8 * 4 = 32$$

$$5) \quad | - 8 | * |$$

$$| - 8 | = 8$$

$$| 2 | = 2$$

$$8 * 2 = 16$$

$$\begin{aligned} 6) & \quad |6| * | - \\ & \quad |6| = 6 \\ & \quad | - 2| = 2 \\ & \quad 6 * 2 = 12 \end{aligned}$$

$$\begin{aligned} 7) & \quad |9| * | - \\ & \quad |9| = 9 \\ & \quad | - 6| = 6 \\ & \quad 9 * 6 = 54 \end{aligned}$$

$$\begin{aligned} 8) & \quad | - 3| * | \\ & \quad | - 3| = 3 \\ & \quad |2| = 2 \\ & \quad 3 * 2 = 6 \end{aligned}$$

$$\begin{aligned} 9) & \quad |9| * |9| \\ & \quad |9| = 9 \\ & \quad |9| = 9 \\ & \quad 9 * 9 = 81 \end{aligned}$$

$$\begin{aligned} 10) & \quad | - 4| * | \\ & \quad | - 4| = 4 \\ & \quad |3| = 3 \\ & \quad 4 * 3 = 12 \end{aligned}$$

$$\begin{aligned} 11) & \quad | - 9| * | - \\ & \quad | - 9| = 9 \\ & \quad | - 9| = 9 \\ & \quad 9 * 9 = 81 \end{aligned}$$

$$^{12)} |6| * |7|$$

$$|6| = 6$$

$$|7| = 7$$

$$6 * 7 = 42$$