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**Module 2** Writing and Simplifying Algebraic Expressions  
**Lesson 3** Identifying Algebraic Properties



**guided  
practice**

**Set 1**

1. Complete the equation to illustrate the Commutative Property of Addition.  
 $12 + 23 =$

**23 + 12** \_\_\_\_\_

2. Which property is illustrated by this equation?

$$(9 \cdot 3) \cdot 5 = 9 \cdot (3 \cdot 5)$$

$$27 \cdot 5 = 9 \cdot 15$$

$$135 = 135$$

**Associative Property of Multiplication** \_\_\_\_\_

3. Give an example of an equation that illustrates the Associative Property of Addition.

**Possible Answer:  $(7 + 8) + 1 = 7 + (8 + 1)$**  \_\_\_\_\_

**Set 2**

1. Fill in the blanks with the correct numbers.

The additive identity is **0** \_\_\_\_\_.

The multiplicative identity is **1** \_\_\_\_\_.

2. Write the property that is illustrated by this equation.

$$(4)(1) = 4$$

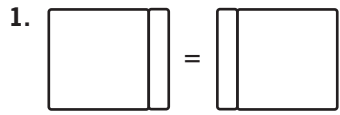
**Identity Property of Multiplication** \_\_\_\_\_

3. Write an equation that illustrates the Identity Property of Addition.

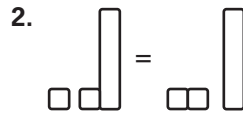
**Possible answer:  $6 + 0 = 6$**  \_\_\_\_\_

**Manipulative Set**

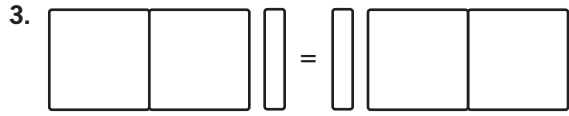
Name the property illustrated.



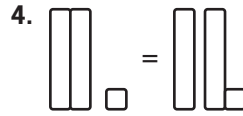
Commutative Property of Addition



Associative Property of Addition



Commutative Property of Addition



Associative Property of Addition