



## PROPERTIES OF INTEGER MULTIPLICATION

**1.**What property is shown by the following equation?

$$2,685 \times 1 = 2,685$$

- a) Associative Property of Multiplication
- b) Identity Property of Multiplication
- c) Commutative Property of Multiplication

**2.**What property is shown by the equation:

$$4 \times 3 = 3 \times 4$$

- a) Commutative Property Multiplication
- b) Identity Property Multiplication
- c) Associative Property Multiplication

**3.**What property is shown by the equation:

$$(4 \times 2) \times 8 = 4 \times (2 \times 8)$$

- a) Commutative Prop Multiplication
- b) Associative Prop Multiplication
- c) Identity Property of Multiplication

**4.** Which choice best shows the commutative property?

$$(2 \times 10) \times 1 = 2 \times (10 \times 1)$$

- a)  $2 \times 1 = 2$
- b)  $4 \times 0 = 0$
- c)  $2 \times 10 = 10 \times 2$

**5.** Find the value of  $n$  using Associative Prop of Multiplication:

$$(0 \times 10) \times 6 = 0 \times (n \times 6)$$

- a)  $n = 0$
- b)  $n = 10$
- c)  $n = 6$

**6.** Which equation best shows the Identity Property of Multiplication?

$$(5 \times 9) \times 8 = 5 \times (9 \times 8)$$

- a)  $5 \times 0 = 0$
- b)  $5 \times 1 = 5$
- c)  $5 + 0 = 5$

**7.**Using the Commutative Property, find the value of the missing factor:

$$4 \times 6 \times 20 = 6 \times ? \times 20$$

- a) 6
- b) 0
- c) 4

**8.**Name the property shown:

$$2 \times 1 = 2$$

- a) Identity Property of Multiplication
- b) Associative Property of Multiplication
- c) Commutative Property of Multiplication

**9.**Identify the property shown:

$$7 \times (2 \times 3) = (7 \times 2) \times 3$$

- a) Zero Property of Multiplication
- b) Identity Property of Multiplication
- c) Associative Property of Multiplication

**10.**  $[(-9) \times 5] \times 3 = \underline{\hspace{1cm}} \times (5 \times 3)$

- a) -9
- b) 15
- c) 5
- d) 3