



## PROPERTIES OF INTEGER MULTIPLICATION

**1. Which property is represented?**

$$3 + (15 + 4) = (3 + 15) + 4$$

- a) Commutative Property
- b) Associative Property
- c) Distributive Property

**2. Which property is represented?**

$$44 + 99 = 99 + 44$$

- a) Commutative Property
- b) Associative Property
- c) Distributive Property

**3. Are the expressions equivalent and what property is used?**

$$6 \times 5 = 5 \times 6$$

- a) Yes, Associative Property
- b) Yes, Commutative Property
- c) Yes, Identity Property
- d) Not equivalent

**4. Are the expressions equivalent and what property is used?**

$$(5 \times 10) \times 2 \text{ and } 5 \times (10 \times 2)$$

- a) Yes, Commutative Property
- b) Not equal
- c) Yes, Associative Property
- d) Yes, Identity Property of Multiplication

**5. Which number sentence is an example of the associative property?**

- a)  $19+6=5 \times 5$
- b)  $3 \times 9=9+3$
- c)  $3 \times (2 \times 6)=(3 \times 2) \times 6$
- d)  $4 \times 0-4+0$

**6. Identity Property of Multiplication**

- a)  $5 \times 0 = 0$
- b)  $8 \times 3 = 3 \times 8$
- c)  $12 \times 1 = 12$
- d)  $8 + 0 = 8$

**7.  $6 * 4 = 4 * 6$**

- a) distributive property
- b) associative property of multiplication
- c) commutative property of multiplication
- d) multiply by 0 property

**8. Which is an example of the Multiplication of 1 Property**

- a)  $1 \times 3 = 3$
- b)  $7 \times 0 = 0$
- c)  $12 + 0 = 12$
- d)  $2 \times 3 = 3 \times 2$

**9. What is the answer to this equation?**

**$2(3 + 4) = ??$  (Distributive Property)**

- a)  $2 \times 3 + 2 \times 4$
- b)  $7 + 13$
- c)  $2 + 5 + 2 + 8$
- d) None of the Above

**10. What is the answer to this equation?**

**$2x + 3x$  (Combining Like Terms)**

- a)  $23x$
- b)  $6x$
- c)  $5x$
- d) 1 million x

**11. What property is this?  $-5 + 5 = 0$**

- a) Inverse of +
- b) Inverse of x
- c) Inverse of the Universe
- d) Zero

**12. What is the answer to this equation?**

**$3 \times \frac{1}{3}$  (Inverse of Mult.)**

- a) 1
- b) 22
- c) 3
- d) 400

**13. Which property is represented?**

$$7(t + u) = 7t + 7u$$

- a) Commutative Property
- b) Associative Property
- c) Distributive Property
- d) None of the above

**14.  $4 \times \frac{1}{4} = 1$**

- a) Identity Property
- b) Inverse Property
- c) Property of -1
- d) Associative Property