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+ 2

2. Commutative Property of Multiplication

$$a * b = b * a$$

$$2 * (3) = 3 * (2)$$

3. Associative property of Addition

$$a + (b + c) = (a + b) + c$$

$$2 + (3 + 4) = (2 + 3) + 4$$

4. Associative Property of Multiplication

$$a * (b * c) = (a * b) * c$$

$$2 * (3 * 4) = (2 * 3) * 4$$

5. Distributive Property

$$a * (b + c) = a * b + a * c$$

$$2 * (3 + 4) = 2 * 3 + 2 * 4$$

6. Additive Identity Property

$$a + 0 = a$$

$$3 + 0 = 3$$

7. Multiplicative Identity Property

$$a * 1 = a$$

$$3 * 1 = 3$$

8. Additive Inverse Property

$$a + (-a) = 0$$

1. Commutative Property of Addition

PROPERTY

EXAMPLE

Let a, b, and c be real numbers, variables, or algebraic expressions.

Properties of Real Numbers