

Identity Property



of Addition

of Multiplication

$$4 + 0 = 4$$

$$4 \times 1 = 4$$

Commutative Property



of addition

of multiplication

$$2 + 3 = 5$$

or

$$3 + 2 = 5$$

$$4 \times 2 = 8$$

or

$$2 \times 4 = 8$$

Associative Property



of addition

of multiplication

$$2 + (5 + 9) = 16$$

or

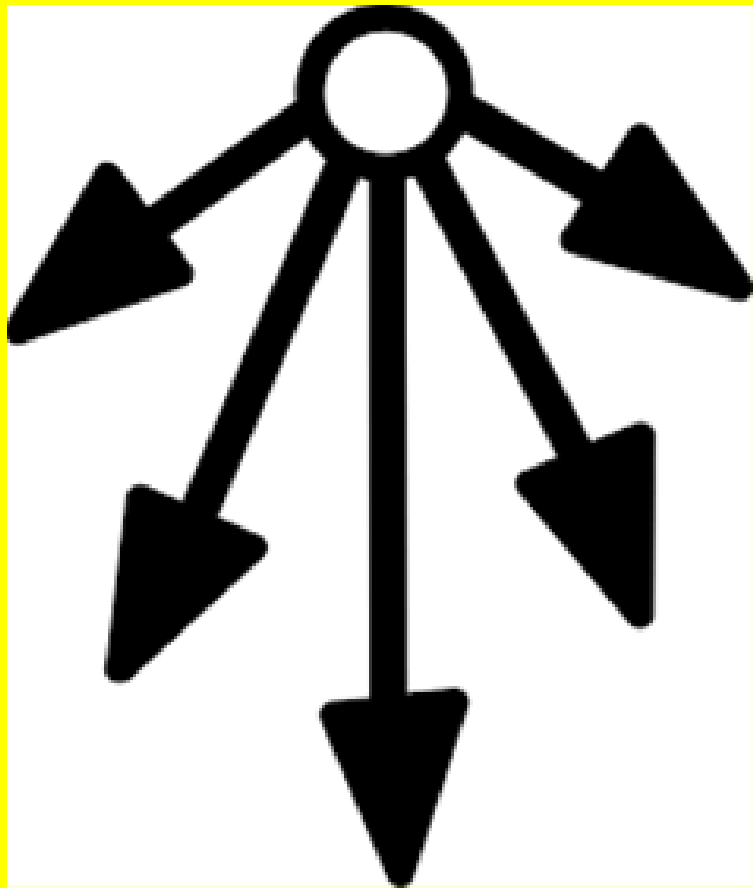
$$5 + (9 + 2) = 16$$

$$2 \times (5 \times 9) = 90$$

or

$$(2 \times 5) \times 9 = 90$$

Distributive Property



only
multiplication

$$5(4+2) = (5 \times 4) + (5 \times 2)$$