

Addition Sense Vocabulary

Compatible numbers: numbers that are close to the numbers in the problem, but easy to compute mentally.

Equation: A number sentence that shows that two quantities are equal.

Estimate: to give a number or answer that tells about how many or how much

Addend: Numbers added together to give a sum.

Sum: The answer when adding two or more addends.

Round: to replace a number with another number that tells about how many or how much

Sum: the answer when adding two or more addends together

Addition: Arithmetic operation where two or more addends are combined to create a new total.

$$\text{Addend} + \text{Addend} = \text{Sum}$$

Properties of Addition

Commutative (Order) Property of Addition: $a + b = b + a$

Numbers can be added in any order and the sum will be the same.

Example: $5 + 3 = 3 + 5$

Associative (Grouping) Property of Addition: $(a + b) + c = a + (b + c)$

Numbers can be grouped in any way and the sum will be the same.

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

$$5 + 4 = 9 \text{ and } 3 + 6 = 9$$

Identity (Zero) Property of Addition: $a + 0 = a$

The sum of 0 (zero) and any number is the number.

Example: $0 + 4 = 4$