Properties of Operations

Term	What it means	Example
Commutative	Order doesn't matter	$3 + 5 = 5 + 3$
Associative	Grouping doesn't matter	$(2 \times 3) \times 4 = 2 \times (3 \times 4)$
Distributive	Multiply each part inside	$3(4 + 2) = 3 \times 4 + 3 \times 2$
Identity	Add 0 or multiply by 1: no change	$7 + 0 = 7$; $7 \times 1 = 7$
Zero	Anything times 0 is 0	$9 \times 0 = 0$