

Commutative Property

Definition: You can switch 2 or more numbers and the answer doesn't change. You can only do this with addition and multiplication.

Number example:

Algebraic notation:

Associative Property

Definition: You can change the groupings of the numbers and the answer doesn't change. You can only do this with addition and multiplication.

Number example:

Algebraic notation:

Distributive Property

Definition: You can either add what's inside the parentheses first or multiply the outside number with each of the numbers inside the parentheses.

Number example:

Algebraic notation:

Additive Identity

Definition: Anything plus zero is itself.

<i>Number example:</i>	<i>Algebraic notation:</i>
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Multiplicative Identity

Definition: Anything times one is itself.

<i>Number example:</i>	<i>Algebraic notation:</i>
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Additive Inverse

Definition: Any positive number plus its negative form equals zero.

<i>Number example:</i>	<i>Algebraic notation:</i>
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Multiplicative Inverse

Definition: Any number multiplied by its reciprocal equals one. The reciprocal is the flipped fraction.

<i>Number example:</i>	<i>Algebraic notation:</i>
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