

Properties of equality foldable instructions: Cut on dashed lines, fold on double lines.

Words	Symbols	Properties of Equality
<p><i>Adding the same value to each side of an equation produces an equivalent equation.</i></p>	<p><i>If $a = b$, then $a + c = b + c$</i></p>	<p>Addition Property of Equality</p>
<p><i>Subtracting the same value from each side of an equation produces an equivalent equation.</i></p>	<p><i>If $a = b$ then $a - c = b - c$.</i></p>	<p>Subtraction Property of Equality</p>
<p><i>Multiplying each side of an equation by the same non-zero value produces an equivalent equation.</i></p>	<p><i>If $a = b$ then $a \cdot c = b \cdot c$.</i></p>	<p>Multiplication Property of Equality</p>
<p><i>Dividing each side of an equation by the same non-zero value produces an equivalent equation.</i></p>	<p><i>If $a = b$ then $\frac{a}{c} = \frac{b}{c}$.</i></p>	<p>Division Property of Equality</p>
<p><i>Grouping can be interchanged when adding and multiplying.</i></p>	<p>$a + (b + c) = (a + b) + c$ AND $a \cdot (b \cdot c) = (a \cdot b) \cdot c$</p>	<p>Associative Property of Addition and Multiplication</p>
<p><i>Order can be interchanged when adding and multiplying.</i></p>	<p>$a + b = b + a$ AND $a \cdot b = b \cdot a$</p>	<p>Commutative Property of Addition and Multiplication</p>
<p><i>Multiply a single term and two or more terms in a set of parentheses.</i></p>	<p>$a(b + c) = ab + ac$</p>	<p>Distributive Property</p>

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	Examples	