

<p>Definition</p> <p>An equation is a mathematical statement that shows that two expressions are equal.</p>	<p>Facts/Characteristics</p> <ul style="list-style-type: none"> - always has exactly one equal sign - the left side is equivalent to the right side - some equations have 0, 1, 2 or more solutions - some equations contain just numbers - some equations are algebraic models for relationships and they have corresponding graphical models and numerical models (e.g., tables)
<p>Examples</p> <p>$3x - 2 = 4x + 7$ (linear equation)</p> <p>$ab = ba$ (an identity)</p> <p>$P = 1.8C + 32$ (a formula)</p> <p>$5 + 6 = 11$ (a number statement)</p> <p>$P = 2l + 2w$ (a formula)</p> <p>$x = 3$ (statement of value)</p>	<p>Non-examples</p> <p>$2x + 3y$ (expression)</p> <p>3 (number)</p> <p>perimeter (word)</p> <p>$x < y$ (inequality)</p> <p>$= 4.2$ (has no left side)</p>

Equation