

Concentration for Algebraic Properties

Cut out the cards below, place them face down and scramble them. Arrange them in a rectangular pattern on a table. The goal is to match the definition of each property with its name. One player selects a pair of cards to turn over. If the pair matches then the player keeps the cards and takes another turn. If the pair does not match then the player turns the cards back over in the same place, and the other player takes a turn. When all of the cards have been selected, the player with the most pairs wins.

<p>The commutative property for addition.</p>	<p>The commutative property for multiplication.</p>	<p>The associative property for addition.</p>	<p>The associative property for multiplication.</p>	<p>The distributive property for multiplication over addition.</p>
$5 + (3 + 4) = 5 + (4 + 3)$	$5 \cdot (3 \cdot 4) = 5 \cdot (4 \cdot 3)$	$5 + (3 + 4) = (5 + 3) + 4$	$5 \cdot (3 \cdot 4) = (5 \cdot 3) \cdot 4$	$5 \cdot (3 + 4) = 5 \cdot 3 + 5 \cdot 4$
<p>The identity property for addition.</p>	<p>The identity property for multiplication.</p>	<p>The inverse property for addition.</p>	<p>The inverse property for multiplication.</p>	<p>The multiplication property of zero.</p>
$255 + 0 = 255$	$255 \cdot 1 = 255$	$-255 + 255 = 0$	$255 \cdot \frac{1}{255} = 1$	$255 \cdot 0 = 0$