



Mathematics Grade 6 Patterns (P)				
Outcome	1 – Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 – Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 – Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. <b>I achieve the outcome.</b>	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
<b>P6.1</b> <b>I can extend understanding of patterns and relationships in tables of values and graphs. [C, CN, PS, R]</b>	<ul style="list-style-type: none"><li>• <b>With help</b>, I can create a table of values for a concrete or visual pattern.</li></ul>	<ul style="list-style-type: none"><li>• I can create a table of values <b>OR</b> a graph for a <b>concrete or visual pattern</b>.</li></ul>	<ul style="list-style-type: none"><li>• I can create a table of values <b>AND</b> a graph for a concrete or visual pattern <b>AND</b> for a given equation.</li></ul>	<ul style="list-style-type: none"><li>• I can identify and explain errors in a given graph and table of values.</li></ul>
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<b>P6.2</b> <b>I can extend understanding of preservation of equality concretely, pictorially, physically, and symbolically. [C, CN, R]</b>	<ul style="list-style-type: none"> <li>I can <b>model</b> the preservation of equality for addition, subtraction, multiplication, <b>OR</b> division concretely, pictorially, physically, <b>OR</b> symbolically.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>model</b> the preservation of equality for addition, subtraction, multiplication, <b>AND</b> division concretely, pictorially, physically, <b>OR</b> symbolically.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>model AND explain</b> the preservation of equality for addition, subtraction, multiplication, <b>AND</b> division concretely, pictorially, physically, <b>AND</b> symbolically.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>model and explain</b> the preservation of equality for addition, subtraction, multiplication, <b>and</b> division by creating equivalent equations and recording them symbolically.</li> </ul>
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<b>P6.3</b> <b>I can extend understanding of patterns and relationships by using expressions and equations involving variables.</b> <b>[C, CN, R]</b>	<ul style="list-style-type: none"> <li>I can define perimeter.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>calculate</b> the perimeter of a rectangle by measuring or using given measurements.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>determine</b> the formula for finding the perimeter of any rectangle.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>apply</b> my own formula to determine the perimeter of any rectangle.</li> </ul>
	<ul style="list-style-type: none"> <li>I can define area.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>calculate</b> the area of a triangle by measuring or using given measurements.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>determine</b> the formula for finding the area of any triangle.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>apply</b> my own formula to determine the area of any triangle.</li> </ul>
	<ul style="list-style-type: none"> <li>I can fill in missing entries on a given table of values.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>solve</b> a word problem with a given table of values.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>solve</b> a word problem that <b>includes</b> a table of values <b>in the solution.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>create and solve</b> a word problem that includes a table of values in the solution.</li> </ul>
	<ul style="list-style-type: none"> <li>I can <b>define</b> a variable.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>solve</b> a question containing a variable.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>develop</b> equations using a variable.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>develop</b> equations using a variable, and <b>create a story for that equation.</b></li> </ul>
	<ul style="list-style-type: none"> <li>I can <b>define</b> the commutative property.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>create</b> addition and multiplication examples of the commutative property.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>develop</b> equations that illustrate the commutative property of addition and multiplication.</li> </ul>	<ul style="list-style-type: none"> <li>I can develop and <b>justify</b> equations using letter variables that illustrate the commutative property of addition and multiplication (e.g., <math>a + b = b + a</math> or <math>a \times b = b \times a</math>).</li> </ul>



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