

QLD Mathematics P -10 Curriculum Objectives Addressed Within
Numbers Up! 2 Baggin' the Dragon



QLD
Level

Patterns & Algebra

Age	Level	QLD Level		
4-6	1-2	Level 1	<p>1A1 <i>Students identify and create patterns and change involving a single attribute</i></p>	<p>1A2 <i>Students identify equivalent or not equivalent representations of collections of objects and numbers to 10.</i></p>
7-9	3-4	Level 2	<p>2A1 <i>Students identify and create multi-attribute patterns and backtrack with a single attribute.</i></p>	<p>2A2 <i>Students model and explain the balance concept of equivalence involving addition and subtraction.</i></p>
10-11	5-6	Level 3	<p>3A1 <i>Students identify and describe relationships between two quantities and create number patterns and use backtracking with any one of the four operations.</i></p>	<p>3A2 <i>Students model and explain equivalence involving combinations of multiplication and division or addition and subtraction.</i></p>
11-12	7-8	Level 4	<p>4A1 <i>Students identify and create number patterns and relationships based on rules and apply backtracking with combinations of the four operations.</i></p>	<p>4A2 <i>Students investigate equations (number sentences) involving unknowns using combinations of the four operations.</i></p>

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13-14	9 - 11	Level 5	<p>5A1 Students analyse number patterns and relationships to develop rules and describe linear functions as relationships between variables.</p>	<p>5A2 Students determine, interpret and communicate solutions to situations using equations involving variables.</p>
14-15	11	Level 6	<p>6A1 Students interpret and model real world problems with linear equations and functions and solve them using an appropriate strategy or procedure.</p>	<p>6A2 Students interpret realistic situations with equations and using algebraic conventions, and provide solutions using algebraic methods.</p>
15	11	B Level 6	<p>B6A1 Students solve problems using graphs, formulae and equations. Students know and use the features of various families of functions.</p>	<p>B6A2 Students manipulate expressions to solve equations (including simultaneous and quadratic equations).</p>