

	Common Language	Elaborate	Evaluate
6. Strategy Extending	<p>Proportion Problems Use of the 'for each' idea, formal recording, and the use of fractions, percent to justify claims) E.g. Jane scored 14 goals from 20 attempts. Emma scored 18 goals from 25 attempts. Which girl should be selected for the school basketball team and why?</p> <p>Efficient Strategies and Formal Processes Working with multiplication and division involving larger numbers based on sound place-value ideas. E.g. 3486×21 can be estimated by thinking about 35 hundreds by 2 tens, 70 thousands, and 1 more group of 35 hundred, etc.</p> <p>Formal Processes Using the correct method for recording multiplication and division.</p> <p>Number Expanders A number expander is a simple aid made of paper which can show the many ways of renaming a number (both whole numbers and decimal numbers).</p> <p>Complex Patterns Involve more than one recurring sequence or repeated design. E.g. 2, 15,</p> <p>Factors A whole number that divides exactly into another number.</p> <p>Properties A basic or essential attribute shared by all.</p>	<p>Higher Order Questions: <u>Block Pattern for a Quilt</u> Describe and Justify your solutions.</p> <p><u>Multiplying with Graph Paper</u> Are there other possible outcomes?</p> <p><u>Square Numbers</u> Justify why some numbers are square numbers and some are not. Can you distinguish between them? How many square numbers can you find?</p>	<p><u>Block Pattern for a Quilt</u> (SRA) 20 Words Can you design another quilt with a 9 block pattern?</p> <p><u>Multiplying with Graph Paper</u> (SRA) 3,2,1 (ii) Can you design/show another way to record your understanding?</p> <p><u>Square Numbers</u> (SRA) Rocket Writing How can you identify and explain square numbers? Are there any exceptions to this rule: Odd numbers produce odd square numbers.</p>