

Curriculum Strand	Week	Learning Objective Curriculum Sub-strand	Additional Activities	Professor Assessor Assessment	Rec. No. of Questions	Estimated Test Duration
<b>NUMBER AND PLACE VALUE</b>	1	<ul style="list-style-type: none"> <li>✓ 6N2 - Read, write, order and compare numbers up to 10 000 000</li> <li>✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000</li> <li>✓ 6N4 - Round any whole number to a required degree of accuracy</li> <li>✓ 6N5 - Use negative numbers in context, and calculate intervals across zero</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5</li> </ul>			
<b>CALCULATIONS (+/-)</b>	2	<ul style="list-style-type: none"> <li>✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N5 - Use negative numbers in context, and calculate intervals across zero</li> <li>✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5</li> <li>✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers</li> </ul>	6N2 6N3 6N4 6N5 6C4	30	30 - 45 mins
<b>CALCULATION (x/÷)</b>	3	<ul style="list-style-type: none"> <li>✓ 6C7a - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</li> <li>✓ 6C7b - Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context</li> <li>✓ 6C7c - Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N5 - Use negative numbers in context, and calculate intervals across zero</li> <li>✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers</li> </ul>			
<b>CALCULATION PROBLEM SOLVING</b>	4	<ul style="list-style-type: none"> <li>✓ 6C3 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> <li>✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> <li>✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers</li> </ul>	6C7a 6C7b 6C7c 6C3	36	40 - 55 mins

<b>FRACTIONS</b>	5	<ul style="list-style-type: none"> <li>✓ 6C9 - Use their knowledge of the order of operations to carry out calculations involving the four operations</li> </ul>		6C8 6C9		
<b>FRACTIONS</b>	6	<ul style="list-style-type: none"> <li>✓ 6F2 - Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</li> <li>✓ 6F3 - Compare and order fractions, including fractions <math>&gt;1</math></li> <li>✓ 6F4 - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N4 - Round any whole number to a required degree of accuracy</li> <li>✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>			
<b>FRACTIONS</b>	7	<ul style="list-style-type: none"> <li>✓ 6F5a - Multiply simple pairs of proper fractions, writing the answer in its simplest form [e.g. <math>\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}</math>]</li> <li>✓ 6F5b - Divide proper fractions by whole numbers [e.g. <math>\frac{1}{2} \div 2 = \frac{1}{4}</math>]</li> <li>✓ 6F10 - Solve problems which require answers to be rounded to specified degrees of accuracy.</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000</li> <li>✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>	6F2 6F3 6F4 6F5a 6F5b 6F10	36	40 - 55 mins
<b>GEOMETRY (SHAPE)</b>	8	<ul style="list-style-type: none"> <li>✓ 6G2a - Compare and classify geometric shapes based on their properties and sizes</li> <li>✓ 6G2b – Describe simple 3-D shapes</li> <li>✓ 6G3a - Draw 2D shapes using given dimensions and angles</li> <li>✓ 6G3b - Recognise and build simple 3-D shapes, including making nets</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6C3 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> <li>✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers</li> </ul>	6G3a requires teacher assessment		
<b>ALGEBRA</b>	8	<ul style="list-style-type: none"> <li>✓ 6A1 - Express missing number problems algebraically</li> <li>✓ 6A2 - Use simple formulae</li> <li>✓ 6A3 - Generate and describe linear number sequences</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division</li> <li>✓ 6C9 - Use their knowledge of the order of operations to carry out calculations involving the four operations</li> </ul>	6G2a 6G2b 6G3b 6A1 6A2 6A3	36	40 - 55 mins

## Medium-term Plan

### Autumn term, two weekly assessment – High Confidence

<b>MEASUREMENT</b>	9	<ul style="list-style-type: none"> <li>✓ 6M7a - Recognise that shapes with the same areas can have different perimeters and vice versa</li> <li>✓ 6M7b - Calculate the area of parallelograms and triangles</li> <li>✓ 6M7c - Recognise when it is possible to use the formulae for the area of shapes</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N2 - Read, write, order and compare numbers up to 10 000 000</li> <li>✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000</li> <li>✓ 6N4 - Round any whole number to a required degree of accuracy</li> </ul>			
<b>MEASUREMENT</b>	10	<ul style="list-style-type: none"> <li>✓ 6M6 - Convert between miles and km</li> <li>✓ 6M8a - Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>) and extending to other units [e.g. mm<sup>3</sup> and km<sup>3</sup>].</li> <li>✓ 6M8b - Recognise when it is possible to use the formulae for the volume of shapes</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6C3 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> <li>✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers</li> <li>✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division</li> </ul>	6M6 6M7a 6M7b 6M7c 6M8a 6M8b	36	40 - 55 mins
<b>FRACTIONS</b>	11	<ul style="list-style-type: none"> <li>✓ 6F6 - Associate a fraction with division and calculate decimal fraction equivalents [e.g. 0.375] for a simple fraction [e.g. <math>\frac{3}{8}</math>]</li> <li>✓ 6F9a - Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places</li> <li>✓ 6F11 - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N2 - Read, write, order and compare numbers up to 10 000 000</li> <li>✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000</li> </ul>			
<b>RATIO AND PROPORTION</b>	12	<ul style="list-style-type: none"> <li>✓ 6R1 - Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</li> <li>✓ 6R2 - Solve problems involving the calculation of percentages [e.g. of measures and such as 15% of 360] and the use of percentages for comparison</li> <li>✓ 6R3 - Solve problems involving similar shapes where the scale factor is known or can be found</li> </ul>	<ul style="list-style-type: none"> <li>✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5</li> <li>✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>	6F6 6F9a 6F11 6R1 6R2 6R3	36	40 - 55 mins