

Curriculum Strand	Learning Objective Curriculum Sub-strand	Teaching sequence	Additional activities	Number of assessments in a year
NUMBER AND PLACE VALUE	<ul style="list-style-type: none"> ✓ 6N2 - Read, write, order and compare numbers up to 10 000 000 ✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000 ✓ 6N4 - Round any whole number to a required degree of accuracy ✓ 6N5 - Use negative numbers in context, and calculate intervals across zero ✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5 	3 weeks	Ongoing throughout the year	6N2 - 2 assessments 6N3 – 2 assessments 6N4 – 2 assessments 6N5 – 2 assessments 6N6 - 3 assessments
CALCULATIONS (+ and -)	<ul style="list-style-type: none"> ✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 	1 week	Ongoing throughout the year	6C4 – 2 assessments
CALCULATIONS (x and ÷)	<ul style="list-style-type: none"> ✓ 6C5 - Identify common factors, common multiples and prime numbers ✓ 6C7a - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication ✓ 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 ✓ 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 	3 weeks	Ongoing throughout the year	6C5 – 2 assessments 6C7a – 3 assessments 6C7b – 3 assessments 6C7c – 2 assessments
CALCULATION (PROBLEM SOLVING)	<ul style="list-style-type: none"> ✓ 6C3 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. ✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers ✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division ✓ 6C9 - Use their knowledge of the order of operations to carry out calculations involving the four operations 	3 weeks		6C3 - 2 assessments 6C6 - 2 assessments 6C8 - 2 assessments 6C9 - 2 assessments

<p>FRACTIONS, DECIMALS AND PERCENTAGES</p>	<ul style="list-style-type: none"> ✓ 6F2 - Use common factors to simplify fractions; use common multiples to express fractions in the same denomination ✓ 6F3 - Compare and order fractions, including fractions >1 ✓ 6F4 - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions ✓ 6F5a - Multiply simple pairs of proper fractions, writing the answer in its simplest form [e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] ✓ 6F5b - Divide proper fractions by whole numbers [e.g. $\frac{1}{4} \div 2 = \frac{1}{8}$] ✓ 6F6 - Associate a fraction with division and calculate decimal fraction equivalents [e.g. 0.375] for a simple fraction [e.g. $\frac{3}{8}$] ✓ 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 ✓ 6F9b - Multiply one-digit numbers with up to two decimal places by whole numbers ✓ 6F9c - Use written division methods in cases where the answer has up to two decimal places ✓ 6F10 - Solve problems which require answers to be rounded to specified degrees of accuracy. ✓ 6F11 - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. 	<p>7 weeks</p>		<p>6F2 - 2 assessments 6F3 - 2 assessments 6F4 - 2 assessments 6F5a - 2 assessments 6F5b - 2 assessments 6F6 - 2 assessments 6F9a - 2 assessments 6F9c - 2 assessments 6F10 - 2 assessments 6F11 - 2 assessments</p>
<p>RATIO AND PROPORTION</p>	<ul style="list-style-type: none"> ✓ 6R1 - Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts ✓ 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 ✓ 6R3 - Solve problems involving similar shapes where the scale factor is known or can be found ✓ 6R4 - Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. 	<p>2 weeks</p>		<p>6R1 - 1 assessment 6R2 - 1 assessment 6R3 - 2 assessments 6R4 - 1 assessment</p>
<p>ALGEBRA</p>	<ul style="list-style-type: none"> ✓ 6A1 - Express missing number problems algebraically ✓ 6A2 - Use simple formulae ✓ 6A3 - Generate and describe linear number sequences ✓ 6A4 - Find pairs of numbers that satisfy an equation with two unknowns ✓ 6A5 - Enumerate possibilities of combinations of two variables 	<p>3 weeks</p>		<p>6A1 - 2 assessments 6A2 - 2 assessments 6A3 - 2 assessments 6A4 - 2 assessments 6A5 - 2 assessments</p>

MEASUREMENT	<ul style="list-style-type: none"> ✓ 6M5 - Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to three decimal places ✓ 6M6 - Convert between miles and km ✓ 6M7a - Recognise that shapes with the same areas can have different perimeters and vice versa ✓ 6M7b - Calculate the area of parallelograms and triangles ✓ 6M7c - Recognise when it is possible to use the formulae for the area of shapes ✓ 6M8a - Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³) and extending to other units [e.g. mm³ and km³]. ✓ 6M8b - Recognise when it is possible to use the formulae for the volume of shapes ✓ 6M9 - Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 	5 weeks		6M5 - 2 assessments 6M6 - 2 assessments 6M7a - 2 assessments 6M7b - 2 assessments 6M7c - 2 assessments 6M8a - 2 assessments 6M8b - 2 assessments 6M9 - 2 assessments
GEOMETRY (SHAPE)	<ul style="list-style-type: none"> ✓ 6G2a - Compare and classify geometric shapes based on their properties and sizes ✓ 6G2b – Describe simple 3-D shapes ✓ 6G3a - Draw 2D shapes using given dimensions and angles (teacher assessment) ✓ 6G3b - Recognise and build simple 3-D shapes, including making nets ✓ 6G4a - Find unknown angles in any triangles, quadrilaterals, and regular polygons ✓ 6G4b - Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles ✓ 6G5 - Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius 	4 weeks		6G2a - 2 assessments 6G2b - 2 assessments 6G3a Teacher assessment 6G3b - 2 assessments 6G4a - 2 assessments 6G4b - 1 assessment 6G5 - 1 assessment
GEOMETRY (POSITION/DIRECTION)	<ul style="list-style-type: none"> ✓ 6P2 - Draw and translate simple shapes on the co-ordinate plane, and reflect them in the axes. ✓ 6P3 - Describe positions on the full co-ordinate grid (all four quadrants) 	2 weeks		6P2- 2 assessments 6P3 - 2 assessments
STATISTICS	<ul style="list-style-type: none"> ✓ 6S1 - Interpret and construct pie charts and line graphs and use these to solve problems ✓ 6S3 - Calculate and interpret the mean as an average. 	2 weeks		6S1 - 2 assessments 6S3 - 2 assessments