Name of child:

	Number, ratio and proportion, and algebra					Measurement, geometry and statistics		
	AF1 - Number, place value, approximation and estimation/rounding	AF2 - Addition, subtraction, multiplication and division (calculations)	AF3 - Fractions, decimals and percentages	AF4 — Ratio and proportion	AF5 - Algebra	AF6 - Measurement	AF7 - Geometry — properties of shape	AF8 - Statistics
Standard 6	<ul> <li>Read, write, order and compare numbers up to 10 000 000 6N2</li> <li>Determine the value of each digit in numbers up to 10 000 000 6N3</li> <li>Round any whole number to a required degree of accuracy 6N4</li> <li>Use negative numbers in context, and calculate intervals across zero 6N5</li> <li>Solve number problems and practical problems that involve 6N2–6N5 6N6</li> </ul>	<ul> <li>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy 6C3</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 6C4</li> <li>Identify common factors, common multiples and prime numbers 6C5</li> <li>Perform mental calculations, including with mixed operations and large numbers 6C6</li> <li>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication 6C7a</li> <li>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication 6C7b</li> <li>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication 6C7c</li> <li>Solve problems involving addition, subtraction, multiplication and division 6C8</li> <li>Use their knowledge of the order of operations to carry out calculations involving the four operations 6C9</li> </ul>	<ul> <li>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination 6F2</li> <li>Compare and order fractions, including fractions &gt;1 6F3</li> <li>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions 6F4</li> <li>Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. 1/4 × 1/2 = 1/8) 6F5a</li> <li>Divide proper fractions by whole numbers (e.g. 1/3 ÷ 2 = 1/6) 6F5b</li> <li>Associate a fraction with division to calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8) 6F6</li> <li>Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places 6F9a</li> <li>Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places 6F9b</li> <li>Use written division methods in cases where the answer has up to two-decimal places 6F9c</li> <li>Solve problems which require answers to be rounded to specified degrees of accuracy 6F10</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts 6F11</li> </ul>	Solve problems involving the relative sizes of two quantities, where missing values can be found by using integer multiplication and division facts 6R1 Solve problems involving the calculation of percentages (e.g of measures such as 15% of 360) and the use of percentages for comparison 6R2 Solve problem involving similar shapes where the scale factor is known or can be found 6R3 Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples 6R4	<ul> <li>Express missing number problems algebraically 6A1</li> <li>Use simple formulae 6A2</li> <li>Generate and describe linear number sequences 6A3</li> <li>Find pairs of numbers that satisfy an equation with two unknowns 6A4</li> <li>Enumerate possibilities of combinations of two variables 6A5</li> </ul>	<ul> <li>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 of up to three decimal places 6M5</li> <li>Convert between miles and kilometres 6M6</li> <li>Recognise that shapes with the same areas can have different perimeters and vice versa 6M7a</li> <li>Calculate the area of parallelograms and triangles 6M7b</li> <li>Recognise when it is possible to use the formulae for the area of shapes 6M7c</li> <li>Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm²) and cubic metres (m²), and extending to other units (e.g. mm³ and km²) 6M8a</li> <li>Recognise when it is possible to use the formulae for the volume of shapes 6M8b</li> <li>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 6M9</li> </ul>	Compare and classify geometric shapes based on their properties and sizes 662a Describe simple 3–D shapes 662b Draw 2–D shapes using given dimensions and angles 663a Recognise and build simple 3D shapes, including making nets 663b Find unknown angles in any triangles, quadrilaterals and regular polygons 664a Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles 664b Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius 665 Draw and translate simple shapes on the co-ordinate plane, and reflect them in the axes 6P2 Describe positions on the full co-ordinate grid (all four quadrants) 6P3	<ul> <li>Interpret and construct pie charts and line graphs and use these to solve problems 6S1</li> <li>Calculate and interpret the mean as an average 6S3</li> </ul>

The Eliot Bank and Gordonbrock Schools Federation, 2015

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