

End of Year Expectations – Maths

	Number and place value	Addition and subtraction	Multiplication and division	Fractions	Ratio & Proportion	Measurement	Geometry	Statistics
							Properties of shapes Position and direction	
Year 6	<p>I can partition numbers to calculate across zero.</p> <p>I can place numbers on a place value grid to determine their values and compare.</p> <p>I can use a place value grid to round a number to a required degree of accuracy.</p> <p>I can use a place value grid to multiply and divide a number with up to 3dp by 10, 100 and 1000.</p> <p>I can place numbers on a place value grid to determine the values of decimals and compare.</p>	<p>I can perform mental calculations, including with mixed operations and large numbers.</p> <p>I can solve multi-step problems in contexts deciding which operations and methods to use and why.</p> <p>I can use knowledge of the order of operations to carry out calculations involving the four operations.</p> <p style="text-align: center;">Algebra</p> <p>I can use formulae to solve problems.</p> <p>I can create formulae for linear number sequences.</p> <p>I can express a missing number problem algebraically.</p> <p>I can use mathematic reasoning to satisfy an equation with two unknowns.</p>	<p>I can perform mental calculations, including with mixed operations and large numbers.</p> <p>I can solve multi-step problems in contexts deciding which operations and methods to use and why.</p> <p>I can use knowledge of the order of operations to carry out calculations involving the four operations.</p>	<p>I can find and use common multiples to express fractions in the same denomination.</p> <p>I can multiply simple pairs of proper fractions writing the answer in its simplest form.</p> <p>I can find and use common multiples to add and subtract fractions with different denominators and mixed numbers.</p> <p>I can compare improper fractions with different denominators using $<$ and $>$.</p> <p>I can divide proper fractions by whole numbers.</p> <p>I can find equivalences to order and compare simple fractions, decimals and percentages.</p> <p>I can find and use common factors to simplify fractions.</p> <p>I can use short division with decimals to find decimal equivalents to a non-unitary fraction.</p>	<p>I can convert between miles and kilometres.</p> <p>I can solve problems involving the relative sizes of two quantities where missing values can be found.</p> <p>I can calculate compound percentages by adding simple amounts (75%, 60%, 15% etc.)</p> <p>I can solve problems involving finding percentages of more than two amounts in context.</p> <p>I can find the scale factor of enlarged or reduced shapes.</p> <p>I can use knowledge of fractions and multiples to solve unequal sharing and grouping problems.</p>	<p>I can draw shapes using given dimensions and angles.</p> <p>I can recognise and describe the net of simple 3-D shapes.</p> <p>I can create Venn and Carroll diagrams to compare and classify shapes to 3 or more criteria.</p> <p>I can find mathematically alternative shapes with a given perimeter or area.</p> <p>I can calculate the area of parallelograms and triangles.</p> <p>I can calculate the volume of cubes and cuboids.</p> <p>I can calculate the area and volume of shapes choosing from a list of formulae.</p>	<p>I can find unknown angles in any triangles, quadrilaterals, and regular polygons.</p> <p>I can find missing angles at a point, angles on a straight line, or are vertically opposite.</p> <p>I can describe and explain the main part of a circle.</p> <p>I can describe positions of points to complete simple shapes on a full coordinate grid.</p> <p>I can translate simple shapes in any direction and reflect them in given lines of symmetry.</p>	<p>I can interpret pie charts and line graphs to solve problems.</p> <p>I can interpret the mean to analyse data sets.</p>

End of Year Expectations – Maths

				<p>I can use long multiplication for 1-digit numbers with up to 2 decimal places by whole numbers.</p> <p>I can use short division in cases where the answer has up to two decimal places.</p> <p>I can solve problems which require answers to be rounded to specified degrees of accuracy.</p>				
--	--	--	--	--	--	--	--	--