

Autumn Revision of all tables	Spring Revision of all tables	Summer Revision of all tables	Continually revisited objectives
<p><b>Number: Place Value (Within 10,000,000)</b></p> <ul style="list-style-type: none"> <li>•Read, write order and compare numbers to 10,000,000 and determine the value of each digit.</li> <li>•Identify the value of each digit in numbers given to 3DP and divide by 10, 100, 1000.</li> <li>•Round any whole number to a required degree of accuracy.</li> <li>•Use negative numbers in context, and calculate intervals across zero.</li> </ul>	<p><b>Number: Ratio</b></p> <ul style="list-style-type: none"> <li>•Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</li> <li>•Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions &amp; multiples.</li> <li>•Recognise proportionality in contexts (shape and recipes)</li> </ul>	<p><b>Geometry: Shape</b></p> <ul style="list-style-type: none"> <li>•Draw 2D shapes using given dimensions and angles</li> <li>•Recognise and describe and build simple 3D shapes, including making nets.</li> <li>•Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.</li> <li>•Illustrate/name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</li> <li>•Recognise angles where they meet at a point, are on a straight line or are vertically opposite and find missing angles.</li> </ul>	<ul style="list-style-type: none"> <li>•Perform mental calculations including with mixed operations and large numbers.</li> <li>•Identify common factors, common multiples and primes.</li> <li>•Read, write order and compare numbers to 10,000,000 and determine the value of each digit. Use <math>&lt;</math> <math>&gt;</math> <math>=</math></li> <li>•Round a whole number to a required degree of accuracy.</li> <li>•Use estimation to predict and check.</li> <li>•Use negative numbers in context, and calculate intervals across zero.</li> <li>•Use all multiplication tables to calculate mathematical statements.</li> <li>•Continue to use Roman Numerals to 1000(M) years</li> <li>•Use knowledge of the order of operations <math>+</math> <math>-</math> <math>\times</math> and <math>\div</math>.</li> </ul>
	<p><b>Number: Algebra</b></p> <ul style="list-style-type: none"> <li>•Use simple formulae</li> <li>•Generate and describe linear sequences</li> <li>•Express missing number problems algebraically</li> <li>•Find pairs of numbers that satisfy an equation with unknowns</li> <li>•Enumerate possibilities of combinations of two variables.</li> <li>•Missing numbers, lengths coordinates</li> </ul>	<p><b>Geometry: Position and Direction</b></p> <ul style="list-style-type: none"> <li>•Draw positions on the full coordinate grid (4 quadrants)</li> <li>•Draw/translate simple shapes on the coordinate plane and reflect them in the axes.</li> <li>•Draw/label quadrilaterals and triangles in 4 quadrants.</li> <li>•Connect work on angles, FDPs to pie charts.</li> </ul>	<ul style="list-style-type: none"> <li>•Identify the value of each digit in numbers given to 3DP and divide by 10, 100, 1000.</li> <li>•Recall equivalences between simple FDPs.</li> <li>•Relate fractions and division by multiplying e.g. if <math>\frac{1}{4}</math> of a rope is 36cm then the whole is <math>36\text{cm} \times 4 = 144\text{cm}</math></li> <li>•Calculate with fractions</li> <li>•Divide decimals by one digit and check inverse (use measures and money).</li> </ul>

	and angles		<ul style="list-style-type: none"> <li>•Use simple formulae</li> <li>•Generalisations of number patterns</li> <li>•Number puzzles</li> <li>•Use, read, write and convert between standard units converting measurements of length, mass, volume and time. Use decimal notation (3DP)</li> <li>•Convert between miles and KM</li> <li>•Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.</li> <li>•Name parts of circles (radius, diameter, circumference).</li> <li>•Recognise angles where they meet at a point, are on a straight line or are vertically opposite and find missing angles.</li> <li>•Calculate and interpret the mean as an average</li> </ul>
<p><b>Number: Addition, Subtraction, Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>•Multiply up to ThHTO x TO using a formal method of long multiplication.</li> <li>•Divide ThHTO by TO using long division and show remainders as whole number, fraction, or rounding.</li> <li>•Divide ThHTO by TO using short division.</li> <li>•Multiply one digit numbers with up to 2DP by whole numbers</li> <li>•Use written division methods where answers have 2DPs.</li> </ul>	<p><b>Number: Decimals</b></p> <ul style="list-style-type: none"> <li>• Decimals to 2/3 decimal places</li> <li>• Multiply / Divide by 10, 100 and 1000</li> <li>• Multiply / divide decimals by integers</li> <li>• Decimals as fractions</li> <li>• Fractions to decimals</li> </ul>	<p><b>Themed projects, consolidation and problem solving</b></p>	
<p><b>Number: Fractions</b></p> <ul style="list-style-type: none"> <li>•Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</li> <li>•Compare and order fractions, including fractions &gt;1</li> <li>•Add and subtract fractions with different denominators and mixed numbers.</li> <li>•Multiply simple pairs of proper fractions and answer in simplest form.</li> <li>•Divide proper fractions by whole numbers.</li> <li>•Associate a fraction with division and calculate decimal fraction equivalents</li> </ul>	<p><b>Number: Fractions, Decimals and Percentages</b></p> <ul style="list-style-type: none"> <li>• Understand percentages</li> <li>• Changing fractions to percentages</li> <li>• Equivalent fractions, decimals and percentages</li> <li>• Order fractions, decimals and percentages</li> <li>• Find percentages of amounts</li> <li>•Solve problems involving the calculation of percentages and the use of percentages for comparison.</li> </ul>		
	<p><b>Measurement: Area, Perimeter and Volume</b></p> <ul style="list-style-type: none"> <li>•Recognise that shapes with the same area can have different perimeter.</li> <li>•Recognise when possible to use formulae for area and volume of</li> </ul>		

	<p>shapes.</p> <ul style="list-style-type: none"> <li>•Calculate the area of parallelograms and triangles.</li> <li>•Calculate, estimate and compare volume of cubes and cuboids using standard units including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>) and extend to other units.</li> </ul>		
<p><b>Measurement: Converting Units</b></p> <ul style="list-style-type: none"> <li>•Solve problems involving the calculation and conversion of units of measure (3DP)</li> <li>•Use, read, write and convert between standard units converting measurements of length, mass, volume and time.</li> </ul>	<p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>•Interpret and construct pie charts and line graphs and use these to solve problems.</li> <li>•Calculate and interpret the mean as an average</li> </ul>		