



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	<i>Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.</i>	<i>Perform mental calculations, including with mixed operations and large numbers. Use knowledge of the order of operations to carry our calculations involving the four operations.</i>	<i>Identify common factors, common multiples and prime numbers.</i>	<i>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.</i>	<i>Use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.</i>	<i>Perform mental calculations, including mixed numbers and large numbers.</i>
Autumn 2	<i>Compare and order fractions, including fractions >1. Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</i>	<i>Recall and use equivalences between simple fractions, decimals and percentages, including different contexts</i>	<i>Draw 2D shapes using given dimensions and angles.</i>	<i>-Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm^3 and m^3, and extending to other units such as mm^3 and km^3. -Convert between miles & km.</i>	<i>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 to three decimal places.</i>	<i>Start this week by revising the learning covered in the Autumn term so as to ensure pupils are fluent and secure with their basic skills. Use a simple assessment process to check on pupils' confidence and consistency in using the learning outlined in the Autumn term. Analyse the results and use information to help focus the intervention sessions, as needed, for the following term.</i>



<p>Spring 1</p>	<p><i>Use negative numbers in context and calculate intervals across zero</i></p>	<p>- Describe positions on the full coordinate grid, all four quadrants - Draw and translate simple shapes on the coordinate plane and reflect them in the axes</p>	<p><i>Solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate.</i></p>	<p><i>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.</i></p>	<p><i>Multiply multi-digit numbers up to 4-digits by a 2-digit whole number using the formal written method of long multiplication.</i></p>	<p>-Divide numbers up to 4-digits by a 2-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. - Divide numbers up to 4-digits by a 2-digit number using the formal written method of short division, where appropriate, interpreting remainders according to the context.</p>
<p>Spring 2</p>	<p><i>Use knowledge of the order of operations to carry out calculations involving the four operations.</i></p>	<p>-Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. -Solve problems involving the calculation of percentages of whole numbers or measures such as 15% of 360 and the use of percentages for comparison.</p>	<p>Recognise, describe and build simple 3D shapes, including making nets.</p>	<p>Recognise when it is possible to use the formulae for area & volume of shapes.</p>	<p><i>Interpret and construct:</i> - <i>pie charts</i> - <i>line graphs</i> <i>and use these to solve problems</i></p>	<p>Start this week by revising the learning covered in the Autumn and Spring terms so as to ensure pupils are fluent and secure with their basic skills. Use a simple assessment process to check on pupils' confidence and consistency in using the learning outlined in the Autumn and Spring terms. Analyse the results and use information to help focus the intervention sessions, as needed, for the following term.</p>



<p>Summer 1</p>	<p><i>Round any whole number to the required degree of accuracy</i></p>	<p>Consolidate all learning in relation to the four operations using formal efficient methods at all times</p>	<p>Multiply simple pairs of proper fractions, writing the answer in the simplest form.</p>	<p><i>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</i></p>	<p>Express missing number problems algebraically. Use simple formulae. Generate and describe linear number sequences.</p>	<p>Recognise that shapes with the same areas can have different perimeters and vice versa. Calculate the area of parallelograms and triangles. Recognise when it is possible to use formulae for area & volume of shapes.</p>
---------------------	---	--	--	---	---	---



<p>Summer 2</p>	<p>Find pairs of numbers that satisfy number sentences with two unknowns. Enumerate all possibilities of combinations of two variables.</p>	<p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>Divide proper fractions by whole numbers. Use written division methods where the answer has up to two decimal places. Associate a fraction with division to calculate decimal fraction equivalents, for simple fractions</p>	<p>Calculate and interpret the mean as an average</p>	<p><i>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</i></p>	<p>Start this week by revising the learning covered in Year 6 so as to ensure pupils are fluent and secure with their basic skills. Use a simple assessment process to check on pupils' confidence and consistency in using the learning outlined in Year 6.</p>
---------------------	---	--	---	---	--	--