



Half Term 1 – Autumn

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		Number: Place Value		Number: Addition, Subtraction, Multiplication and Division					Number: Fractions A
Autumn	National Curriculum	<ul style="list-style-type: none"> <li>- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</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> <li>- Solve number and practical problems that involve all of the above.</li> </ul>		<ul style="list-style-type: none"> <li>- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</li> <li>- 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</li> <li>- 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</li> <li>- Perform mental calculations, including with mixed operations and large numbers</li> <li>- Identify common factors, common multiples, and prime numbers</li> <li>- Use their knowledge of the order of operations to carry out calculations involving the four operations</li> <li>- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> <li>- Solve problems involving addition, subtraction, multiplication, and division</li> <li>- Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> </ul>					<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 <math>&gt; 1</math></li> <li>- Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> </ul>
	WRM Small Steps	<ul style="list-style-type: none"> <li>Step 1 - Numbers to 1,000,000</li> <li>Step 2 - Numbers to 10,000,000</li> <li>Step 3 - Read and write numbers to 10,000,000</li> <li>Step 4 - Powers of 10</li> <li>Step 5 - Number line to 10,000,000</li> <li>Step 6 - Compare and order any integers</li> <li>Step 7 - Round any integer</li> <li>Step 8 - Negative numbers</li> </ul>	<ul style="list-style-type: none"> <li>Step 1 - Add and subtract integers</li> <li>Step 2 - Common factors</li> <li>Step 3 - Common multiples</li> <li>Step 4 - Rules of divisibility</li> <li>Step 5 - Primes to 100</li> <li>Step 6 - Square and cube numbers</li> <li>Step 7 - Multiply up to a 4-digit number by a 2-digit number</li> <li>Step 8 - Solve problems with multiplication</li> <li>Step 9 - Short division</li> <li>Step 10 - Division using factors</li> <li>Step 11 - Introduction to long division</li> <li>Step 12 - Long division with remainders</li> <li>Step 13 - Solve problems with division</li> <li>Step 14 - Solve multi-step problems</li> <li>Step 15 - Order of operations</li> <li>Step 16 - Mental calculations and estimation</li> <li>Step 17 - Reason from known facts</li> </ul>	<ul style="list-style-type: none"> <li>Step 1 - Equivalent fractions and simplifying</li> <li>Step 2 - Equivalent fractions on a number line</li> <li>Step 3 - Compare and order (denominator)</li> <li>Step 4 - Compare and order (numerator)</li> <li>Step 5 - Add and subtract simple fractions</li> </ul>					



Half Term 2 – Autumn

		Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15				
		Number: Fractions A	Number: Fractions B		Converting Units	Number: Ratio	Mock SATs Week	Number: Ratio				
<b>Autumn</b>	<b>National Curriculum</b>	<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, using the concept of equivalent fractions</li> <li>- Multiply simple pairs of proper fractions, writing the answer in its simplest form</li> <li>- Divide proper fractions by whole numbers</li> </ul>			<ul style="list-style-type: none"> <li>- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</li> <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 up to three decimal places</li> <li>- Convert between miles and kilometres</li> </ul>		<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 the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</li> <li>- Solve problems involving similar shapes where the scale factor is known or can be found</li> <li>- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</li> </ul>		<p>Summer 2023 Papers</p> <p>To be sat in full exam conditions.</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 - Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</li> <li>- Solve problems involving similar shapes where the scale factor is known or can be found</li> <li>- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</li> </ul>	



# Cumbria Education Trust – Mathematics Curriculum Overview

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<b>WRM Small Steps</b>	Step 6 - Add and subtract any two fractions Step 7 - Add mixed numbers Step 8 - Subtract mixed numbers Step 9 - Multi-step problems	Step 1 - Multiply fractions by integers Step 2 - Multiply fractions by fractions Step 3 - Divide a fraction by an integer Step 4 - Divide any fraction by an integer Step 5 - Mixed questions with fractions Step 6 - Fraction of an amount Step 7 - Fraction of an amount – find the whole	Step 1 - Metric measures Step 2 - Convert metric measures Step 3 - Calculate with metric measures Step 4 - Miles and kilometres Step 5 - Imperial measure	Step 1 - Add or multiply? Step 2 - Use ratio language Step 3 - Introduction to the ratio symbol Step 4 - Ratio and fractions Step 5 - Scale drawing	Make sure exam arrangements are in place for all pupils.	Step 6 - Use scale factors Step 7 - Similar shapes Step 8 - Ratio problems Step 9 - Proportion problems Step 10 – Recipes

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
		<b>Number: Decimals</b>		<b>Number: Fractions, Percentages, Decimals</b>		<b>Measurement: Perimeter, Area and Volume</b>		<b>Statistics</b>		<b>Mock SATs Week</b>	<b>Geometry – Properties of Shapes</b>		
<b>Spring</b>	<b>National Curriculum</b>	<ul style="list-style-type: none"> <li>- 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</li> <li>- Multiply one-digit numbers with up to two decimal places by whole numbers</li> <li>- Use written division methods in cases where the answer has up to two decimal places - Solve problems which require answers to be rounded to specified degrees of accuracy</li> </ul>		<ul style="list-style-type: none"> <li>- Associate a fraction with division and calculate decimal fraction equivalents - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> </ul>		<ul style="list-style-type: none"> <li>- Recognise that shapes with the same areas can have different perimeters and vice versa - Recognise when it is possible to use formulae for area and volume of shapes</li> <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 extending to other units [for example, mm<sup>3</sup> and km<sup>3</sup>].</li> </ul>		<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>		Summer 2024 Papers  To be sat in full exam conditions.	<ul style="list-style-type: none"> <li>- Draw 2-D shapes using given dimensions and angles</li> <li>- Recognise, describe and build simple 3-D 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 - Illustrate and 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>		



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<b>WRM Small Steps</b>	Step 1 - Place value within 1 Step 2 - Place value – integers and decimals Step 3 - Round decimals Step 4 - Add and subtract decimals Step 5 - Multiply by 10, 100 and 1,000 Step 6 - Divide by 10, 100 and 1,000 Step 7 - Multiply decimals by integers Step 8 - Divide decimals by integers Step 9 - Multiply and divide decimals in context	Step 1 - Decimal and fraction equivalents Step 2 - Fractions as division Step 3 - Understand percentages Step 4 - Fractions to percentages Step 5 - Equivalent fractions, decimals and percentages Step 6 - Order fractions, decimals and percentages Step 7 - Percentage of an amount – one step Step 8 - Percentage of an amount – multi-step Step 9 - Percentages – missing values	Step 1 - Shapes – same area Step 2 - Area and perimeter Step 3 - Area of a triangle – counting squares Step 4 - Area of a rightangled triangle Step 5 - Area of any triangle Step 6 - Area of a parallelogram Step 7 - Volume – counting cubes Step 8 - Volume of a cuboid	Step 1 - Line graphs Step 2 - Dual bar charts Step 3 - Read and interpret pie charts Step 4 - Pie charts with percentages Step 5 - Draw pie charts Step 6 - The mean	Make sure exam arrangements are in place for all pupils.	Step 1 - Measure and classify angles Step 2 - Calculate angles Step 3 - Vertically opposite angles Step 4 - Angles in a triangle Step 5 - Angles in a triangle – special cases Step 6 - Angles in a triangle – missing angles Step 7 - Angles in a quadrilateral Step 8 - Angles in polygons Step 9 - Circles Step 10 - Draw shapes accurately Step 11 - Nets of 3-D shapes

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
		<b>Geometry: Position and Direction</b>	<b>Number: Algebra</b>		<b>SATs Week</b>	<b>Pre Y7: Basic Probability</b>		<b>Pre Y7: Fractions, Decimals and Percentages revisited</b>		<b>Pre Y7: Mensuration</b>		<b>Pre Y7: Basic Algebra</b>		
<b>Summer</b>	<b>National Curriculum</b>	- 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.	- Use simple formulae - Generate and describe linear number sequences - Express missing number problems algebraically Find pairs of numbers that satisfy an equation with two unknowns - Enumerate possibilities of combinations of two variables.			N/A		N/A		N/A		N/A		



# Cumbria Education Trust – Mathematics Curriculum Overview

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<p><b>WRM Small Steps</b></p>	<p>Step 1 – The first quadrant Step 2 – Read and plot points in four quadrants Step 3 – Solve problems with coordinates Step 4 – Translations Step 5 - Reflections</p>	<p>Step 1 - 1-step function machines Step 2 - 2-step function machines Step 3 - Form expressions Step 4 - Substitution Step 5 - Formulae Step 6 - Form equations Step 7 - Solve 1-step equations Step 8 - Solve 2-step equations Step 9 - Find pairs of values Step 10 - Solve problems with two unknowns</p>		<p>Step 1 – Probability scale and language of probability Step 2 – Sample space of single events Step 3 – Calculate probability of single events Step 4 – Understanding the sum of probabilities is 1 Step 5 – Probability linked to playing cards Step 6 - Probabilities of two dice and two coins Step 7 – Venn diagrams Step 8 – Probabilities from Venn diagrams</p>	<p>Step 1 – Convert fractions, percentages and decimals (tenths and hundredths) Step 2- Convert fractions, percentages and decimals (quarters and fifths) Step 3 – Convert fractions, percentages and decimals (eighths and thousandths) Step 4 – Convert fluently between fractions, [percentages and decimals Step 5 – Find simple fraction parts Step 6 – Find simple percentage parts Step 7 – Mixed fraction and percentage parts Step 8 – Solve problems with fraction greater than 1 and decimals greater than 100%</p>	<p>Step 1 – Identify Perpendicular and Parallel Lines Step 2 – Recognise types of triangles Step 3 – Recognise types of quadrilaterals Step 4 – Identify Polygons up to Octagons Step 5 – Area of triangles Step 6 – Area of quadrilaterals Step 7 – Area of compound shapes Step 7 – Volume of cuboids and cubes Step 8 – Volume of compound shapes Steps 9 – Surface Area of cuboids and cubes</p>	<p>Step 1 – Function Machines Step 2 – Inverse function machines Step 3 – Simple expressions from function machines Step 4 – Substituting into simple expressions Step 5 – Substituting into simple equations Step 6 – Code writing and breaking using substitution 1 Step 7 – Code writing and breaking using substitution 2 Step 8 – Generating sequences using simple rules Step 9 – Generating sequences using two step rules Step 10 – Collecting like terms 1 Step 11 – Collecting like terms 2 Step 12 – Expanding brackets</p>
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**Year 6 – Yearly Overview  
2024-25**



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	Number: Place Value		Number: Addition, Subtraction, Multiplication and Division					Fractions A		Fractions A		Measurement: Converting Units	Number: Ratio	Mock SATs	Number: Ratio
Spring	Number: Decimals		Number: Fractions, Decimals, Percentages		Measurement: Perimeter, Area and Volume		Statistics		Mock SATs	Geometry – Properties of Shapes					
Summer	Geometry: Position and Direction	Number: Algebra		SATs	Pre Y7: Basic Probability		Pre Y7: Fractions, Decimals and Percentages revisited		Pre Y7: Mensuration		Pre Y7: Basic Algebra				