



Maths Overview - Year Five

	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	
Autumn	Number: Place Value			Number: Addition & Subtraction			Number: Multiplication and Division							Assessment week	Consolidation
Spring	Number: Fractions						Number: Decimals & Percentages		Number: Decimals		Assessment week	Number: Decimals			

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Ambleside Academy

Dream Believe Shine

Summer	Statistics		Measurement: Perimeter & Area		Geometry: Properties of Shape			Geometry: Position & Direction		Measurement: Converting Units		Assessment week	Measurement: Volume	Consolidation
	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



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Autumn	Number: Place Value	Number: Addition & Subtraction	Number: Multiplication	Assessment week	Consolidation
	I can read and write numbers to at least 1000000.	I can add whole 4 digit and 5 digit numbers using a written method.	I can identify multiples and factors, including finding all factor pairs of number and common factors of two numbers.		
	I can order numbers up to at least 1000000.	I can subtract whole 4 digit and 5 digit numbers using a written method.	I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.		
	I know the value of each digit of numbers up to 1000000.	I can add and subtract mentally using larger numbers.	I know whether a number up to 100 is prime and recall prime numbers up to 19.		
	I can count in steps of powers of 10 for any given number up to 1000000.	I can solve multi-step word problems in context, deciding on the operation to use and why.	I can multiply numbers up to 4 digits by a one-digit number using a written method.		
	I can understand negative numbers in context and count forwards and backwards with positive and negative whole numbers. Including through zero.		I can multiply numbers up to 4 digits by a two-digit number using a written method, including long multiplication.		
	I can round any number to 10, 100, 1000, 10000 or 100000.		I can multiply and divide numbers mentally using the facts that I already know.		
	I can solve missing number problems involving ordering, partitioning and negative numbers.		I can divide numbers up to 4 digits by a one-digit number using a written method of short division.		
	I can read Roman numerals to 1000 and recognise years written in Roman numerals..		I can understand remainders depending on the context I am given.		
			I can recognise and use square numbers and cube numbers, and use the sign for squared and cubed numbers.		
			I can solve problems multi-step problems involving addition, subtraction, multiplication and division.		

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Spring	<p align="center">Number: Fractions, decimals & percentages</p> <p>I can solve problems involving multiplication and division, including scaling by simple fractions.</p> <p>I can compare and order fractions whose denominators are all multiples of the same number.</p> <p>I can name and write equivalent fractions of a given fraction, including tenths and hundredths.</p> <p>I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$].</p> <p>I can add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p> <p>I can multiply proper fractions and mixed numbers by whole numbers, with materials and diagrams to help me.</p> <p>I can read and write decimal numbers as fractions [for example, $0.71 = 71/100$].</p> <p>I can use thousandths and relate them to tenths, hundredths and decimal equivalents.</p> <p>I can round decimals with two decimal places to the nearest whole number and to one decimal place.</p> <p>I can read, write, order and compare numbers with up to three decimal places.</p> <p>I can solve problems involving number up to three decimal places.</p>						<p align="center">Number: Fractions, Decimals & Percentages</p> <p>I can solve problems involving multiplication and division, including scaling by simple fractions.</p> <p>I can compare and order fractions whose denominators are all multiples of the same number.</p> <p>I can name and write equivalent fractions of a given fraction, including tenths and hundredths.</p> <p>I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$].</p> <p>I can add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p> <p>I can multiply proper fractions and mixed numbers by whole numbers, with materials and diagrams to help me.</p> <p>I can read and write decimal numbers as fractions [for example, $0.71 = 71/100$].</p> <p>I can use thousandths and relate them to tenths, hundredths and decimal equivalents.</p> <p>I can round decimals with two decimal places to the nearest whole number and to one decimal place.</p> <p>I can read, write, order and compare numbers with up to three decimal places.</p> <p>I can solve problems involving number up to three decimal places.</p>		<p align="center">Number: Fractions, decimals & Percentages</p> <p>I can solve problems involving multiplication and division, including scaling by simple fractions.</p> <p>I can compare and order fractions whose denominators are all multiples of the same number.</p> <p>I can name and write equivalent fractions of a given fraction, including tenths and hundredths.</p> <p>I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$].</p> <p>I can add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p> <p>I can multiply proper fractions and mixed numbers by whole numbers, with materials and diagrams to help me.</p> <p>I can read and write decimal numbers as fractions [for example, $0.71 = 71/100$].</p> <p>I can use thousandths and relate them to tenths, hundredths and decimal equivalents.</p> <p>I can round decimals with two decimal places to the nearest whole number and to one decimal place.</p> <p>I can read, write, order and compare numbers with up to three decimal places.</p> <p>I can solve problems involving number up to three decimal places.</p> <p>I know what this symbol means % I know that per cent relates to 'number of parts per</p>		<p>Assessment week</p>	<p>Number: Decimals</p>			



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	<p>I know what this symbol means % I know that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.</p> <p>I can solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.</p>	<p>I know what this symbol means % I know that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.</p> <p>I can solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25</p>	<p>hundred', and write percentages as a fraction with denominator 100, and as a decimal.</p> <p>I can solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25</p>			
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Summer	<p>Statistics</p> <p>I can read and interpret information in tables.</p> <p>I can solve comparison, sum and difference problems using information presented in a line graph.</p>	<p>Measurement: Perimeter & Area</p> <p>I can convert between different units of measure (kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>I know how to use approximate equivalences between metric units and common imperial units such as inches, pounds, pints.</p> <p>I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</p> <p>I can calculate and compare the area of rectangles (including squares), and including using standard units.</p> <p>I can estimate the area of irregular shapes.</p> <p>I can estimate volume [for example, one cm cubed blocks to build cuboids and cubes and capacity [using water].</p> <p>I can solve problems involving converting between units of time.</p> <p>I can use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p>	<p>Geometry: Properties of Shape</p> <p>I can name 3-D shapes, including cubes and other cuboids, from 2-D representations.</p> <p>I can estimate and compare acute, obtuse and reflex angles.</p> <p>I can draw given angles, and measure them in degrees.</p> <p>I can identify angles at a point and one whole turn (total 360o) and angles at a point on a straight line and ½ turn.</p> <p>I can use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>I can distinguish between regular and irregular polygons.</p> <p>I can describe and represent the position of a shape following a reflection or translation.</p>	<p>Geometry: Position & Direction</p> <p>I can name 3-D shapes, including cubes and other cuboids, from 2-D representations.</p> <p>I can estimate and compare acute, obtuse and reflex angles.</p> <p>I can draw given angles, and measure them in degrees.</p> <p>I can identify angles at a point and one whole turn (total 360o) and angles at a point on a straight line and ½ turn.</p> <p>I can use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>I can distinguish between regular and irregular polygons.</p> <p>I can describe and represent the position of a shape following a reflection or translation.</p>	<p>Measurement: Converting Units</p> <p>I can convert between different units of measure (kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>I know how to use approximate equivalences between metric units and common imperial units such as inches, pounds, pints.</p> <p>I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</p> <p>I can calculate and compare the area of rectangles (including squares), and including using standard units.</p> <p>I can estimate the area of irregular shapes.</p> <p>I can estimate volume [for example, one cm cubed blocks to build cuboids and cubes and capacity [using water].</p> <p>I can solve problems involving converting between units of time.</p> <p>I can use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p>	<p>Assessment week</p>	<p>Measurement: Volume</p>	<p>Consolidation</p>