



# Amble Links First School

## Year 4 Maths - Yearly Overview & Term by Term Objectives

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value				Number: Addition and Subtraction			Measurement: Area	Number: Multiplication and Division			Consolidation
Spring	Number: Multiplication and Division			Measurement: Length and Perimeter		Number: Fractions				Number: Decimals		
Summer	Number: Decimals		Measurement: Money		Measurement: Time		Consolidation	Geometry: Properties of Shape		Statistics	Geometry: Position and Direction	



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Autumn	<u>Number: Place Value</u>  Recognise the place value of each digit in a four-digit number  Order and compare numbers beyond 1000  Count in multiples of 6, 7, 9, 25 and 1000  Find 100 more or less than a given number  Identify, represent and estimate numbers using different representations  Round any number to the nearest 10, 100 or 1000  Count backwards through zero to include negative numbers  Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value  Solve number and practical problems that involve all of the above and with increasingly large positive numbers				<u>Number: Addition and Subtraction</u>  Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate  Estimate and use inverse operations to check answers to a calculation  Solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why			<u>Area</u>  Find the area of rectilinear shapes by counting squares	<u>Number: Multiplication and Division</u>  Recall and use multiplication and division facts for multiplication tables up to 12 x12  Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers  Recognise and use factor pairs and commutativity in mental calculations  Multiply 2-digit and 3-digit numbers by a one-digit number using formal written layout  Solve problems involving multiplying and adding, including using the distributive law to multiply 1-digit numbers by 1-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects			Consolidation



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Spring	<p style="text-align: center;"><u>Number: Multiplication and Division</u></p> <p>Recall and use multiplication and division facts for multiplication tables up to 12 x12</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</p> <p>Recognise and use factor pairs and commutativity in mental calculations</p> <p>Multiply 2-digit and 3-digit numbers by a one digit number using formal written layout</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply 1-digit numbers by 1-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects</p>	<p style="text-align: center;"><u>Measurement: Length and perimeter</u></p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p>	<p style="text-align: center;"><u>Number: Fractions</u></p> <p>Recognise and show, using diagrams, families of common equivalent fractions</p> <p>Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number</p> <p>Add and subtract fractions with the same denominator</p>	<p style="text-align: center;"><u>Number: Decimals</u></p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten</p> <p>Recognise and write decimal equivalents of any number of tenths and hundredths</p> <p>Find the effect of dividing a one or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p>
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Summer	<p><u>Number: Decimals</u></p> <p>Round decimals with one decimal place to the nearest whole number</p> <p>Compare numbers with the same number of decimal places up to two decimal places</p> <p>Recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></p> <p>Find the effect of dividing a one or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p>	<p><u>Measurement: Money</u></p> <p>Estimate, compare and calculate different measures, including money in pounds and pence</p> <p>Solve simple measures and money problems involving fractions and decimals to two decimal places</p>	<p><u>Measurement: Time</u></p> <p>Convert between different units of measure</p> <p>Read, write and convert time between analogue and digital 12 and 24 hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	Consolidation	<p><u>Geometry: Properties of Shape</u></p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size</p> <p>Compare and classify geometric shapes, including triangles, based on their properties and sizes</p> <p>Compare and classify geometric shapes, including quadrilaterals, based on their properties and sizes</p> <p>Identify lines of symmetry in 2D shapes presented in different orientations</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry</p>	<p><u>Statistics</u></p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p>	<p><u>Geometry: Position and Direction</u></p> <p>Describe positions on a 2D grid as coordinates in the first quadrant</p> <p>Describe movements between positions as translations of a given unit to the left/right and up/down</p>