

Long-term maths plan

Key

- Number
- Measurement
- Geometry
- Statistics
- Revisit and consolidate



Term	Half term 1 Approximately 6 weeks			Half term 2 Approximately 6 weeks		
Autumn	● Number and place value	● Addition and subtraction	● Multiplication and division	● Geometry: Shape and angles	● Measurement: Length and area	
Spring	● Number and place value	● Fractions	● Measurement: Time	● Decimals	● Measurement: Money	
Summer	● Geometry: Shape and symmetry	● Geometry: Position and direction	● Measurement: Money ● Number: The four operations and arithmetic	● Measurement: Length, area and perimeter	● Measurement	● Statistics

Medium-term maths plan

Autumn term coverage

Half term 1		Half term 2		
3–4 weeks	3–4 weeks	3–4 weeks	2–3 weeks	1–2 weeks
<p>● Number and place value</p> <p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Find 1000 more or less than a given number.</p> <p>Order and compare numbers beyond 1000.</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).</p> <p>Identify, represent and estimate numbers using different representations.</p> <p>Round any number to the nearest 10.</p>	<p>● Addition and subtraction</p> <p>Continue to practise mental methods for addition and subtraction, including partitioning (e.g. $1366 + 2432 = 1000 + 2000 + 300 + 400 + 60 + 30 + 6 + 2$).</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>● Multiplication and division</p> <p>Recall multiplication and division facts for multiplication tables up to 12×12.</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>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit and integer scaling problems.</p>	<p>● Geometry: Shape and angles</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 quadrilaterals and triangles, based on their properties and sizes.</p> <p>Identify lines of symmetry in 2-D shapes presented in different orientations.</p>	<p>● Measurement: Length and area</p> <p>Find the area of rectilinear shapes by counting squares.</p>

Medium-term maths plan Spring term coverage

Half term 1		Half term 2		
2–3 weeks	3–4 weeks	1–2 weeks	3–4 weeks	1–2 weeks
<p>● Number and place value</p> <p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Count backwards through zero to include negative numbers.</p> <p>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.</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).</p> <p>Identify, represent and estimate numbers using different representations.</p> <p>Round any number to the nearest 10, 100 or 1000.</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p>	<p>● Fractions</p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object or number by one hundred and dividing tenths by ten.</p> <p>Add and subtract fractions with the same denominator.</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>● Measurement: Time</p> <p>Convert between different units of measure (e.g. hour to minute).</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>	<p>● Decimals</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.</p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p> <p>Find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.</p>	<p>● Measurement: Money</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence.</p>

Medium-term maths plan

Summer term coverage

Half term 1			Half term 2		
1–2 weeks	1–2 weeks	3–4 weeks	1–2 weeks	1–2 weeks	1–2 weeks
<p>Geometry: Shape and symmetry</p>	<p>Geometry: Position and direction</p>	<p>Measurement: Money Number: The four operations and arithmetic</p>	<p>Measurement: Length, area and perimeter</p>	<p>Measurement</p>	<p>Statistics</p>
<p>Identify lines of symmetry in 2-D shapes presented in different orientations.</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry.</p>	<p>Describe movements between positions as translations of a given unit to the left/right and up/down.</p> <p>Plot specified points and draw sides to complete a given polygon.</p> <p>Describe positions on a 2-D grid as coordinates in the first quadrant.</p>	<p>Estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Recall multiplication and division facts for multiplication tables up to 12×12.</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>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p>	<p>Convert between different units of measure (e.g. kilometres and metres; centimetres and metres; centimetres and millimetres).</p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.</p> <p>Find the area of rectilinear shapes by counting squares.</p>	<p>Convert between different units of measure (e.g. millilitres to litres, grams to kilograms).</p> <p>Estimate, compare and calculate different measures.</p>	<p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p>