



# Year 4 Maths Long-Term Plan



	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>M/O starter</b>	count in multiples of 6, 7, 9, 25 and 1,000 find 1,000 more or less than a given number count backwards through 0 to include negative numbers recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)						order and compare numbers beyond 1,000 round any number to the nearest 10, 100 or 1,000 solve number and practical problems that involve all of the above and with increasingly large positive numbers read Roman numerals to 100 (I to C)						
	<b>2x</b>	<b>5x</b>	<b>10x</b>	<b>3x</b>	<b>6x</b>	<b>4x</b>	<b>8x</b>	<b>7x</b>	<b>9x</b>	<b>11x</b>	<b>12x</b>	<b>recap</b>	
<b>Autumn Term</b>	<b>Number – addition and subtraction</b>  add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate (using carrying/borrowing and exchanging)  estimate and use inverse operations to check answers to a calculation		<b>Number – multiplication and division</b>  recall multiplication and division facts for multiplication tables up to 12 × 12  use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers  recognise and use factor pairs and commutativity in mental calculations  multiply two-digit and three-digit numbers by a one-digit number using formal written layout  write and calculate mathematical statements for division using the multiplication tables that they know using formal written methods			<b>Number – fractions</b>  compare and order unit fractions  <b>add and subtract fractions with the same denominators (use of bar model and fraction wall)</b>  <b>recognise and find fractions of a shape (e.g. ¼ of a shape with 20 equal parts).</b>  recognise and show, using diagrams, families of common equivalent fractions <b>particularly ½=2/4 (use of fraction wall)</b>  count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10  <b>to find more and less (1 more, 1 less, 10 more, 10 less etc) when counting in decimals and fractions</b>  <b>recognise and write decimal equivalents of any number of tenths or hundredths</b>  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					<b>Assess week</b>	<b>Measure - time</b>  read, write and convert time between analogue and digital 12- and 24-hour clocks  solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days	



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	3x	6x	4x	8x	7x	7x	9x	9x	11x	11x	12x	12x
<b>Spring Term</b>	<b>Geometry – shape and symmetry</b>  compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes  identify lines of symmetry in 2-D shapes presented in different orientations  complete a simple symmetric figure with respect to a specific line of symmetry		<b>Measure – perimeter and area</b>  measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres  convert between different units of measure in perimeter (m/cm etc)  find the area of rectilinear shapes by counting squares		<b>Number – 4 operation</b>  estimate and use inverse operations to check answers to a calculation  solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why  recall multiplication and division facts for multiplication tables up to 12 x 12  recognise and use factor pairs and commutativity in mental calculations multiply two-digit and three-digit numbers by a one-digit number using formal written layout  solve problems involving multiplying and dividing		<b>Number – fractions</b>  recognise and show, using diagrams, equivalent fractions with small denominators (e.g. a shape has 6 equal parts and the children are asked to shade in 1/3).  add and subtract fractions with the same denominator  recognise and write decimal equivalents of any number of tenths or hundreds e.g $23/100 = 0.23$  recognise and write decimal equivalents to $\frac{1}{4}$ , $\frac{1}{2}$ , $\frac{3}{4}$  to find more and less (1 more, 1 less, 10 more, 10 less etc) when counting in decimals and fractions  solve problems involving increasingly harder fractions to calculate quantities, e.g 1/7 of 21 and 3/7 of 21.			<b>Assess week</b>	<b>Geometry – angles</b>  identify acute and obtuse angles and compare and order angles up to 2 right angles by size	<b>Statistics</b>  interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs  solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs



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	2x 5x 10x 3x 6x	3x 6x 4x 8x	4x 8x 7x 9x	7x 9x 11x 12x	Mixed	Mixed	Mixed	Mixed	Mixed	Mixed	Mixed	Mixed
<b>Summer Term</b>	<b>Number - 4 operation revision</b>  solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why  solve problems involving multiplying and dividing	<b>Measure – money</b>  estimate, compare and calculate different measures, including money in pounds and pence	<b>Number – Fractions and decimals</b>  round decimals with 1 decimal place to the nearest whole number  compare numbers with the same number of decimal places up to 2 decimal places  <b>recognise and write decimal equivalents of any number of tenths or hundreds e.g <math>23/100 = 0.23</math></b>  solve simple measure and money problems involving fractions and decimals to 2 decimal places  count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10  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  <b>recognise and show, using diagrams, equivalent fractions with small denominators</b>  <b>recognise and write decimal equivalents</b> $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ <b>to <math>\frac{1}{4}, \frac{2}{4}, \frac{3}{4}</math></b>  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  add and subtract fractions with the same denominator				<b>Geometry – position and direction</b>  describe positions on a 2-D grid as coordinates in the first quadrant  describe movements between positions as translations of a given unit to the left/right and up/down  plot specified points and draw sides to complete a given polygon				<b>Assess week</b>	Consolidation work based on the year  <b>Make comparisons and order decimal amounts and fractions (by converting)</b>  <b>recognise mixed numbers</b>



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