

Maths Medium Term Plan Year 4

	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	<p>Number and Place Value</p> <ul style="list-style-type: none"> ♣ count in multiples of 6, 7, 9, 25 and 1000 ♣ find 1000 more or less than a given number ♣ count backwards through zero to include negative numbers ♣ recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) ♣ order and compare numbers beyond 1000 ♣ identify, represent and estimate numbers using different representations ♣ round any number to the nearest 10, 100 or 1000 ♣ 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) and know that over time, the numeral system changed to include the concept of zero and place value. 				<p>Addition and subtraction</p> <ul style="list-style-type: none"> ♣ 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 contexts, deciding which operations and methods to use and why 			<p>Measurement: Length and Perimeter</p> <ul style="list-style-type: none"> ♣ Convert between different units of measure [for example, kilometre to metre; hour to minute] ♣ measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres 	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> ♣ recall multiplication and division facts for multiplication tables up to 12×12 ♣ <i>solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</i> ♣ count in multiples of 6, 7, 9, 25 and 1000 ♣ 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 				Consolidation

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Spring	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> ♣ 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 three 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 ♣ solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. 			<p>Measurement: Area</p> <ul style="list-style-type: none"> ♣ find the area of rectilinear shapes by counting squares 	<p>Number: Fractions</p> <ul style="list-style-type: none"> ♣ recognise and show, using diagrams, families of common equivalent fractions ♣ count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. ♣ 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 			<p>Number: Decimals</p> <ul style="list-style-type: none"> ♣ recognise and write decimal equivalents of any number of tenths or hundredths ♣ 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 ♣ solve simple measure and money problems involving fractions and decimals to two decimal places. ♣ Convert between different units of measure e.g. metres to kilometres. 			Consolidation	

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Summer	<p>Number: Decimals</p> <ul style="list-style-type: none"> ♣ compare numbers with the same number of decimal places up to two decimal places ♣ round decimals with one decimal place to the nearest whole number ♣ recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ ♣ 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>Measurement: Money</p> <ul style="list-style-type: none"> ♣ estimate, compare and calculate different measures, including money in pounds and pence ♣ solve simple measure and money problems involving fractions and decimals to two decimal places. 	<p>Measurement: Time</p> <ul style="list-style-type: none"> ♣ 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. 	<p>Statistics</p> <ul style="list-style-type: none"> ♣ 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 	<p>Geometry: Properties of Shape</p> <ul style="list-style-type: none"> ♣ compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes ♣ identify acute and obtuse angles and compare and order angles up to two right angles by size ♣ 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 	<p>Geometry: Position and direction</p> <ul style="list-style-type: none"> ♣ 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 	Consolidation
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