

Maths – Lower Key Stage Two
Progressive statements

Year Group	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measures	Geometry properties of shapes	Data
Year 3	I can count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number	I can add and subtract numbers mentally including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds	I can recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	I can count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	I can draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations; and describe them with increasing accuracy	I can interpret and present data using bar charts, pictograms and tables
	I can recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	I can add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction	I can write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to efficient written methods	I can recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	I can measure the perimeter of simple 2-D shapes	I can recognise angles as a property of shape and associate angles with turning	I can solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.
	I can compare and order numbers up to 1000	I can estimate the answer to a calculation and use inverse operations to check answers	I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects	I can recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	I can add and subtract amounts of money to give change, using both £ and p in practical contexts	I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	
	I can identify, represent and estimate numbers using different representations	I can solve problems, including missing number facts, place value, and more complex addition and subtraction	I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects	I can recognise and show, using diagrams, equivalent fractions with small denominators	I can estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight	I can identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	
	I can read and write numbers to at least 1000 in numerals and in words			I can add and subtract fractions with the same denominator within one whole (e.g. $5/7 + 1/7 = 6/7$)	I can know the number of seconds in a minute and the number of days in each month, year and leap year	I can identify horizontal, vertical, perpendicular and parallel lines in relation to other lines	
	I can solve number problems and practical problems involving these ideas			I can compare and order unit fractions with the same denominator	I can compare durations of events, for example to calculate the time taken by particular events or tasks		
			I can solve problems that involve all of the above				

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Year Group	Number and Place Value and Rounding	Addition and Subtraction	Multiplication and Division	Fractions	Decimals	Measures	Geometry properties of shapes	Geometry – position, direction and motion	Data
Year 4	<p>I can count in multiples of 6, 7, 9, 25 and 1000</p> <p>I can find 1000 more or less than a given number</p> <p>I can count backwards through zero to include negative numbers</p> <p>I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p>I can order and compare numbers beyond 1000</p> <p>I can identify, represent and estimate numbers using different representations</p> <p>I can round any number to the nearest 10, 100 or 1000</p> <p>I can solve number and practical problems that involve all of the above and with increasingly large positive numbers</p> <p>I can read Roman numerals to 100 (I to C) and understand how, over time, the numeral system changed to include the concept of zero and place value.</p>	<p>I can add and subtract numbers with up to 4 digits using the efficient written methods of columnar addition and subtraction where appropriate</p> <p>I can estimate and use inverse operations to check answers to a calculation</p> <p>I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</p>	<p>I can recall multiplication and division facts for multiplication tables up to 12×12</p> <p>I can 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>I can recognise and use factor pairs and commutativity in mental calculations</p> <p>I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>I can solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.</p>	<p>I can count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten</p> <p>I can 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>I can identify, name and write equivalent fractions of a given fraction, including tenths and hundredths</p> <p>I can add and subtract fractions with the same denominator</p> <p>I can</p> <p>I can solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.</p>	<p>I can recognise and write decimal equivalents of any number of tenths or hundredths</p> <p>I can recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$</p> <p>I can 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 units, tenths and hundredths</p> <p>I can round decimals with one decimal place to the nearest whole number</p> <p>I can compare numbers with the same number of decimal places up to two decimal places</p> <p>I can solve simple measure and money problems involving fractions and decimals to two decimal places</p>	<p>I can convert between different units of measure (e.g. kilometre to metre; hour to minute)</p> <p>I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>I can estimate, compare and calculate different measures, including money in pounds and pence</p> <p>I can find the area of rectilinear shapes by counting</p> <p>I can read, write and convert time between analogue and digital 12 and 24-hour clocks</p> <p>I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	<p>I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>I can identify acute and obtuse angles and compare and order angles up to two right angles by size</p> <p>I can identify lines of symmetry in 2-D shapes presented in different orientations</p> <p>I can complete a simple symmetric figure with respect to a specific line of symmetry</p>	<p>I can describe positions on a 2-D grid as coordinates in the first quadrant</p> <p>I can describe movements between positions as translations of a given unit to the left/right and up/down</p> <p>I can plot specified points and draw sides to complete a given polygon</p>	<p>I can interpret and present discrete data using bar charts and continuous data using line graphs</p> <p>I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs</p>

