

Maths – Key Stage One

Progressive statements

Year Group	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measures	Geometry properties of shapes	Geometry – position, direction, motion
Year 1	<p>I can count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>I can count, read and write numbers to 100 in numerals, count in different multiples including ones, twos, fives and tens</p> <p>I can identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</p> <p>I can read and write numbers from 1 to 20 in digits and words.</p>	<p>I can read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p>I can represent and use number bonds and related subtraction facts within 20</p> <p>I can add and subtract one-digit and two-digit numbers to 20 (9 + 9, 18 - 9), including zero</p> <p>I can solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.</p>	<p>I can solve simple one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object, shape or quantity</p> <p>I can recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p>	<p>I can compare, describe and solve practical problems for: lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half), mass or weight (e.g. heavy/light, heavier than, lighter than), capacity/volume (full/empty, more than, less than, quarter), time (quicker, slower, earlier, later)</p> <p>I can measure and begin to record lengths and heights, mass and weight, capacity and volume, time in hours minutes and seconds</p> <p>I can recognise and know the value of different denominations of coins and notes</p> <p>I can sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening</p> <p>I can recognise and use language relating to dates, including days of the week, weeks, months and years</p> <p>I can tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p>	<p>I can recognise and name common 2-D shapes (e.g. rectangles (including squares), circles and triangles)</p> <p>I can recognise and name 3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</p>	<p>I can order and arrange combinations of objects and shapes in patterns</p> <p>I can describe position, directions and movements, including half, quarter and three-quarter turns.</p>

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Year 2	<p>I can count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward</p> <p>I can recognise the place value of each digit in a two-digit number (tens, ones)</p> <p>I can identify, represent and estimate numbers using different representations, including the number line</p> <p>I can compare and order numbers from 0 up to 100; use <, > and = signs</p> <p>I can read and write numbers to at least 100 in numerals and in words</p> <p>I can use place value and number facts to solve problems.</p>	<p>I can solve simple one-step problems using concrete objects and pictorial representations, including those involving numbers, quantities and measures</p> <p>I can recall and use addition facts to 20 fluently, and derive and use related facts up to 100</p> <p>I can recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p>I can add two-digit number and ones</p> <p>I can add a two-digit number and tens</p> <p>I can add two two-digit numbers</p> <p>I can add three one-digit numbers</p> <p>I can subtract two-digit number and ones</p> <p>I can subtract a two-digit number and tens</p> <p>I can subtract two two-digit numbers</p> <p>I can subtract three one-digit numbers</p> <p>I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>I can recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.</p>	<p>I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p> <p>I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs</p> <p>I can recognise and use the inverse relationship between multiplication and division in calculations</p> <p>I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p> <p>I can solve one-step problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> <p>I can solve one-step division problems, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p>	<p>I can recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity</p> <p>I can write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of two quarters and one half.</p>	<p>I can choose and use appropriate standard units to estimate and measure: length/height in any direction (m/cm) to the nearest appropriate unit, using rulers; mass (kg/g) to the nearest appropriate unit using scales; temperature (°C) to the nearest appropriate unit using thermometers; capacity (litres/ml) to the nearest appropriate unit using measuring vessels</p> <p>I can compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>I can read relevant scales to the nearest numbered unit</p> <p>I can recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value and match different combinations of coins to equal the same amounts of money; add and subtract money of the same unit, including giving change</p> <p>I can solve simple problems in a practical context involving addition and subtraction of money</p> <p>I can compare and sequence intervals of time</p> <p>I can tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p>	<p>I can identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line</p> <p>I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>I can identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid</p> <p>I can compare and sort common 2-D and 3-D shapes and everyday objects.</p>	<p>I can order and arrange combinations of mathematical objects in patterns</p> <p>I can use mathematical vocabulary to describe position, direction and movement,</p>	<p>I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p>I can ask and answer questions about totalling and compare categorical data.</p>

