

**Maths Expectations Year 1**

Number and Place Value	Addition and Subtraction	Multiplication And Division	Fractions
<p><b>I can</b> count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p><b>I can</b> count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</p> <p>Given a number, I can identify one more and one less</p> <p><b>I can</b> identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</p> <p>read and write numbers from 1 to 20 in numerals and words.</p>	<p><b>I can</b> read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs</p> <p><b>I can</b> represent and use number bonds and related subtraction facts within 20</p> <p><b>I can</b> add and subtract one-digit and two-digit numbers to 20, including zero</p> <p><b>I can</b> solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \quad - 9</math>.</p>	<p><b>I can</b> solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p>	<p><b>I can</b> recognise, find and name a half as one of two equal parts of an object, shape or quantity</p> <p><b>I can</b> recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p>
Measurement		Geometry - Properties of Shape	Geometry – Position and Direction
<p><b>I can</b> compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</p> <p>mass/weight [for example, heavy/light, heavier than, lighter than]</p> <p>capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p> <p>time [for example, quicker, slower, earlier, later]</p> <p><b>I can</b> measure and begin to record the following: time (hours, minutes, seconds), lengths and heights, mass/weight, capacity and volume, time (hours, minutes, seconds)</p> <p><b>I can</b> recognise and know the value of different denominations of coins and notes</p> <p><b>I can</b> sequence events in chronological order using language [for example, 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><b>I can</b> 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><b>I can</b> recognise and name common 2-D and 3-D shapes, including:</p> <p>2-D shapes [e.g, rectangles (including squares), circles and triangles]</p> <p>3-D shapes [e.g., cuboids (including cubes), pyramids and spheres].</p>	<p><b>I can</b> describe position, direction and movement, including whole, half, quarter and three-quarter turns.</p>

**Maths Expectations Year 2**

Number and Place Value	Addition and Subtraction	Multiplication And Division	Fractions
<p><b>I can</b> count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.</p> <p><b>I can</b> recognise the place value of each digit in a two-digit number (tens, ones)</p> <p><b>I can</b> identify, represent and estimate numbers using different representations, including the number line</p> <p><b>I can</b> compare and order numbers from 0 up to 100; use and = signs</p> <p><b>I can</b> read and write numbers to at least 100 in numerals and in words</p> <p><b>I can</b> use place value and number facts to solve problems.</p>	<p><b>I can</b> solve problems with addition and subtraction:</p> <p><b>I can</b> using concrete objects and pictorial representations, including those involving numbers, quantities and measures</p> <p><b>I can</b> applying their increasing knowledge of mental and written methods</p> <p><b>I can</b> recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p><b>I can</b> add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> <p><b>I can</b> show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p><b>I can</b> recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>	<p><b>I can</b> recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p><b>I can</b> 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 formal written methods</p> <p><b>I can</b> solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to objects.</p>	<p><b>I can</b> recognise, find, name and write fractions <math>\frac{3}{4}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</p> <p><b>I can</b> write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</p>
<b>Measurement</b>		<b>Geometry - Properties of Shape</b>	
<p><b>I can</b> choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (<math>^{\circ}</math>C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p><b>I can</b> compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</p> <p><b>I can</b> recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p><b>I can</b> find different combinations of coins that equal the same amounts of money</p> <p><b>I can</b> solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</p> <p><b>I can</b> compare and sequence intervals of time</p> <p><b>I can</b> 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 and know the number of minutes in an hour and the number of hours in a day.</p>		<p><b>I can</b> identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p><b>I can</b> identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p><b>I can</b> 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><b>I can</b> compare and sort common 2-D and 3-D shapes and everyday objects.</p>	
		<b>Geometry – Position and Direction</b>	
		<p><b>I can</b> order and arrange combinations of mathematical objects in patterns and sequences</p> <p><b>I can</b> use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).</p>	

**Maths Expectations Year 3**

Maths Expectations Year 3			
Number and Place Value	Addition and Subtraction	Multiplication And Division	Fractions
<p><b>I can</b> count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</p> <p><b>I can</b> recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p> <p><b>I can</b> compare and order numbers up to 1000</p> <p><b>I can</b> Identify, represent and estimate numbers using different representations</p> <p><b>I can</b> read and write numbers up to 1000 in numerals and in words</p> <p><b>I can</b> solve number problems and practical problems involving these ideas.</p>	<p><b>I can</b> add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds</li> </ul> <p><b>I can</b> add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p><b>I can</b> estimate the answer to a calculation and use inverse operations to check answers</p> <p><b>I can</b> solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</p>	<p><b>I can</b> recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p><b>I can</b> 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 formal written methods</p> <p><b>I can</b> solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</p>	<p><b>I can</b> 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</p> <p><b>I can</b> recognise, find and write fractions of a discrete set of objects: unit fractions and non unit fractions with small denominators</p> <p><b>I can</b> recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p> <p><b>I can</b> recognise and show, using diagrams, equivalent fractions with small denominators</p> <p><b>I can</b> add and subtract fractions with the same denominator within one whole [for example, <math>7 \frac{5}{10} + 7 \frac{1}{10} = 7 \frac{6}{10}</math>]</p> <p><b>I can</b> compare and order unit fractions, and fractions with the same denominators</p> <p><b>I can</b> solve problems that involve all of the above</p>
Statistics			
<p><b>I can</b> interpret and present data using bar charts, pictograms and tables</p> <p><b>I can</b> solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</p>			
Measurement		Geometry - Properties of Shape	
<p><b>I can</b> measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p> <p><b>I can</b> measure the perimeter of simple 2-D shapes</p> <p><b>I can</b> add and subtract amounts of money to give change, using both £ and p in practical contexts</p> <p><b>I can</b> tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</p> <p><b>I can</b> estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight</p> <p><b>I know</b> the number of seconds in a minute and the number of days in each month, year and leap year</p> <p><b>I can</b> compare durations of events [for example to calculate the time taken by particular events or tasks].</p>		<p><b>I can</b> draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</p> <p><b>I can</b> recognise angles as a property of shape or a description of a turn</p> <p><b>I can</b> 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</p> <p><b>I can</b> identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p>	

**Maths Expectations Year 4**

Maths Expectations Year 4						
Number and Place Value	Addition and Subtraction	Multiplication And Division	Fractions			
<p><b>I can</b> count in multiples of 6, 7, 9, 25 and 1000</p> <p><b>I can</b> find 1000 more or less than a given number</p> <p><b>I can</b> count backwards through zero to include negative numbers</p> <p><b>I can</b> recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p><b>I can</b> order and compare numbers beyond 1000</p> <p><b>I can</b> identify, represent and estimate numbers using different representations</p> <p><b>I can</b> round any number to the nearest 10, 100 or 1000</p> <p><b>I can</b> solve number and practical problems that involve all of the above and with increasingly large positive numbers</p> <p><b>I can</b> 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><b>I can</b> add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p> <p><b>I can</b> estimate and use inverse operations to check answers to a calculation</p> <p><b>I can</b> solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>	<p><b>I can</b> recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></p> <p><b>I can</b> 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><b>I can</b> recognise and use factor pairs and commutativity in mental calculations</p> <p><b>I can</b> multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p><b>I can</b> 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> <p>Decimals and Percentages</p> <p><b>I can</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</p> <p><b>I can</b> round decimals with one decimal place to the nearest whole number</p> <p><b>I can</b> compare numbers with the same number of decimal places up to two decimal places</p> <p><b>I can</b> solve simple measure and money problems involving fractions and decimals to two decimal places</p>	<p><b>I can</b> recognise and show, using diagrams, families of common equivalent fractions</p> <p><b>I can</b> count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p><b>I can</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</p> <p><b>I can</b> add and subtract fractions with the same denominator</p>			
						<p><b>Statistics</b></p> <p><b>I can</b> interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>
						<p><b>Geometry – Position and Direction</b></p> <p><b>I can</b> describe positions on a 2-D grid as coordinates in the first quadrant</p> <p><b>I can</b> describe movements between positions as translations of a given unit to the left/right and up/down</p> <p><b>I can</b> plot specified points and draw sides to complete a given polygon.</p>
			<b>Measurement</b>		<b>Geometry - Properties of Shape</b>	
<p><b>I can</b> Convert between different units of measure [for example, kilometre to metre; hour to minute]</p> <p><b>I can</b> measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p><b>I can</b> find the area of rectilinear shapes by counting squares</p> <p><b>I can</b> estimate, compare and calculate different measures, including money in pounds and pence read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p><b>I can</b> solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p>		<p><b>I can</b> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p><b>I can</b> identify acute and obtuse angles and compare and order angles up to two right angles by size</p> <p><b>I can</b> identify lines of symmetry in 2-D shapes presented in different orientations</p> <p><b>I can</b> complete a simple symmetric figure with respect to a specific line of symmetry.</p>				

## Maths Expectations Year 5

Number and Place Value	Addition and Subtraction	Multiplication And Division	Fractions
<p><b>I can</b> read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit</p> <p><b>I can</b> count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p><b>I can</b> interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p> <p><b>I can</b> round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000</p> <p><b>I can</b> solve number problems and practical problems that involve all of the above</p> <p><b>I can</b> read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p>	<p><b>I can</b> add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p><b>I can</b> add and subtract numbers mentally with increasingly large numbers</p> <p><b>I can</b> use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</p> <p><b>I can</b> solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p>	<p><b>I can</b> identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</p> <p><b>I know</b> and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers</p> <p><b>I can</b> establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p><b>I can</b> multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</p> <p><b>I can</b> multiply and divide numbers mentally drawing upon known facts</p> <p><b>I can</b> divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context</p> <p><b>I can</b> multiply and divide whole numbers and those involving decimals by 10, 100 and 1000</p> <p><b>I can</b> recognise and use square numbers and cube numbers, and the notation for squared ( 2 ) and cubed ( 3 )</p> <p><b>I can</b> solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes</p> <p><b>I can</b> solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</p> <p><b>I can</b> solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates</p>	<p><b>I can</b> compare and order fractions whose denominators are all multiples of the same number</p> <p><b>I can</b> identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</p> <p><b>I can</b> recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number [for example, <math>5 \frac{2}{4} = 5 \frac{6}{12} = 1 \frac{1}{2}</math>]</p> <p><b>I can</b> add and subtract fractions with the same denominator and denominators that are multiples of the same number</p> <p>I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</p>
	Decimals and Percentages		Statistics
	<p>I can read and write decimal numbers as fractions [for example, <math>0.71 = \frac{71}{100}</math>]</p> <p>I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p> <p>I can round decimals with two decimal places to the nearest whole number and to one decimal place</p> <p>I can read, write, order and compare numbers with up to three decimal places</p> <p>I can solve problems involving number up to three decimal places</p> <p>I can recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal</p> <p>I can solve problems which require knowing percentage and decimal equivalents of <math>\frac{2}{10}</math>, <math>\frac{4}{10}</math>, <math>\frac{5}{10}</math>, <math>\frac{5}{20}</math>, <math>\frac{5}{40}</math> and those fractions with a denominator of a multiple of 10 or 25.</p>		<p><b>I can</b> solve comparison, sum and difference problems using information presented in a line graph</p> <p><b>I can</b> complete, read and interpret information in tables, including timetables.</p>

Measurement	Geometry
<p><b>I can</b> convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>I understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints</p> <p><b>I can</b> measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</p> <p><b>I can</b> calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes</p> <p><b>I can</b> estimate volume [for example, using 1 cm<sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water]</p> <p><b>I can</b> solve problems involving converting between units of time</p> <p><b>I can</b> use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p>	<p><b>Properties of shape</b></p> <p><b>I can</b> identify 3-D shapes, including cubes and other cuboids, from 2-D representations</p> <p>I can know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</p> <p><b>I can</b> draw given angles, and measure them in degrees (°)</p> <p><b>I can</b> identify:</p> <ul style="list-style-type: none"> <li>angles at a point and one whole turn (total 360°)</li> <li>angles at a point on a straight line and 2 1 a turn (total 180°)</li> <li>other multiples of 90°</li> </ul> <p><b>I can</b> use the properties of rectangles to deduce related facts and find missing lengths and angles</p> <p><b>I can</b> distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</p> <p><b>Position and Direction</b></p> <p><b>I can</b> identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p>

**Maths Expectations Year 6**

<b>Number and Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>
<p><b>I can</b> read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p><b>I can</b> round any whole number to a required degree of accuracy</p> <p><b>I can</b> use negative numbers in context, and calculate intervals across zero</p> <p><b>I can</b> solve number and practical problems that involve all of the above</p>	<p><b>I can</b> solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p> <p><b>I can</b> solve problems involving addition, subtraction, multiplication and division</p> <p><b>I can</b> use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p>	<p><b>I can</b> multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</p> <p><b>I can</b> divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context</p> <p><b>I can</b> divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context</p> <p><b>I can</b> perform mental calculations, including with mixed operations and large numbers</p> <p><b>I can</b> identify common factors, common multiples and prime numbers</p> <p><b>I can</b> use their knowledge of the order of operations to carry out calculations involving the four operations</p> <p><b>I can</b> use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p>	<p><b>I can</b> use common factors to simplify fractions; use common multiples to express fractions in the same denomination</p> <p><b>I can</b> compare and order fractions, including fractions &gt; 1</p> <p><b>I can</b> add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p> <p><b>I can</b> multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, <math>4 \frac{1}{2} \times 2 \frac{1}{3} = 8 \frac{1}{3}</math>]</p> <p><b>I can</b> divide proper fractions by whole numbers [for example, <math>3 \frac{1}{2} \div 2 = 6 \frac{1}{4}</math>]</p> <p><b>I can</b> associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375]</p>
	<b>Decimals and Percentages</b>		
<b>Statistics</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Ration Proportion</b>
<p><b>I can</b> interpret and construct pie charts and line graphs and use these to solve problems</p> <p><b>I can</b> calculate and interpret the mean as an average.</p>	<p><b>I can</b> solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p> <p><b>I can</b> use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places</p> <p><b>I can</b> convert between miles and kilometres</p> <p><b>I can</b> recognise that shapes with the same areas can have different perimeters and vice versa</p>	<p>Property of shape</p> <p><b>I can</b> draw 2-D shapes using given dimensions and angles</p> <p><b>I can</b> recognise, describe and build simple 3-D shapes, including making nets</p> <p><b>I can</b> compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons</p>	<p><b>I can</b> solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p> <p><b>I can</b> solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</p> <p><b>I can</b> solve problems involving similar shapes where the scale factor is known or can be found</p>

	<p><b>I can</b> recognise when it is possible to use formulae for area and volume of shapes</p> <p><b>I can</b> calculate the area of parallelograms and triangles</p> <p><b>I can</b> calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units [for example, mm<sup>3</sup> and km<sup>3</sup>].</p>	<p><b>I can</b> illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</p> <p><b>I can</b> recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p> <p><b>Position and Direction</b></p> <p><b>I can</b> describe positions on the full coordinate grid (all four quadrants)</p> <p><b>I can</b> draw and translate simple shapes on the coordinate plane, and reflect them in the axes</p>	<p><b>I can</b> solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p> <p style="text-align: center;"><b>Algebra</b></p> <p><b>I can</b> use simple formulae</p> <p><b>I can</b> generate and describe linear number sequences</p> <p><b>I can</b> express missing number problems algebraically</p> <p><b>I can</b> find pairs of numbers that satisfy an equation with two unknowns</p> <p><b>I can</b> enumerate possibilities of combinations of two variables.</p>
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