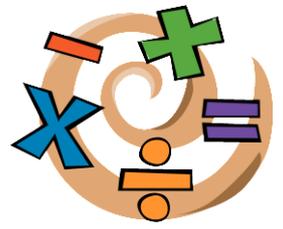




# Mathematics

## Shape, Space & Measures



*By the end of Year 2...*

To understand the properties of shapes			*I can identify and describe the properties of 2-D shapes, including the number of sides and the number of corners. ( <i>polygons and quadrilaterals</i> )
			*I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. ( <i>cuboids, prisms and cones</i> )
			*I can identify vertical lines of symmetry in 2-D shapes.
			*I can name 2-D shapes on the surface (face) of 3-D shapes.
			*I can compare and sort common 2-D and 3-D shapes and everyday objects.
To describe position, direction and movement			*I can use mathematical vocabulary to describe position, direction and movement: <ul style="list-style-type: none"> <li>- movement in a straight line;</li> <li>- rotation as a turn;</li> <li>- right angles for quarter, half and three- quarter turns (clockwise and anticlockwise).</li> </ul>
			*I can order and arrange combinations of mathematical objects in patterns and sequences.
To use measures			*I can use measuring apparatus, such as rulers, scales, thermometers and measuring vessels, to measure the following to the nearest appropriate unit: <ul style="list-style-type: none"> <li>- length/height in cm/m</li> <li>- mass in kg/g</li> <li>- temperature in °C-</li> <li>- capacity in ml/l.</li> </ul>
			*I can use >, < and = to compare and order lengths, mass and volume/capacity.
			*I recognise and use the symbols £ ( <i>pounds</i> ) and p ( <i>pence</i> ).
			*I can combine amounts to make particular values
			*I know that there are 100p in £1.
			*I can find different combinations of coins that equal the same amount of money.
			*I can solve simple and practical addition and subtraction problems involving money of the same unit, including giving change.
			*I know the number of minutes in an hour and the number of hours in a day.
			*I can compare and sequence intervals of time.
To use statistics			*I can tell and write the time to five minutes and draw the hands on a clock face to show these times. ( <i>including quarter past/to the hour</i> )
			*I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
			*I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
To use algebra			*I can ask and answer questions about totalling and comparing categorical data. ( <i>most common and least popular</i> )
			*I can solve addition and subtraction problems involving missing numbers. ( $23 = \square + 3$ / $23 = 10 + \square$ )