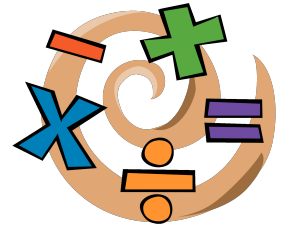




Mathematics

Shape, Space & Measures



Name: _____

By the end of Year 5...

To understand the properties of shapes		<ul style="list-style-type: none"> *I can estimate and compare acute, obtuse and reflex angles. *I can draw given angles, and measure them in degrees ($^{\circ}$). *I can identify angles at a point and one whole turn (total 360°). *I can identify angles at a point on a straight line and a turn (total 180°). *I can identify other multiples of 90°.
		<ul style="list-style-type: none"> *I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations. *I know the difference between regular and irregular polygons. *I understand the terminology parallel and perpendicular.
		<ul style="list-style-type: none"> *I can use the properties of rectangles to deduce related facts and find missing lengths and angles.
To describe position, direction and movement		<ul style="list-style-type: none"> *I understand the terminology reflection and translation. *I can draw 2-D shapes in different positions on a grid following translation. *I can draw reflections of shapes on a horizontal and vertical mirror line and on a mirror line at 45°. *I can describe positions on a coordinate grid, with two quadrants.
To use measures		<ul style="list-style-type: none"> *I can convert between different units of metric measure. *I understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. *I can estimate volume and capacity.
		<ul style="list-style-type: none"> *I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. *I can calculate and compare the area of rectangles (including squares), using standard units (square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes.
		<ul style="list-style-type: none"> *I can solve problems involving converting between units of time. *I can use all four operations to solve problems involving measure using decimal notation, including scaling.
To use statistics		<ul style="list-style-type: none"> *I recognise the difference between discrete and continuous data. *I can solve comparison, sum and difference problems using information presented in a line graph. *I can decide which representation of data is most appropriate, including graphs, table and Carroll and Venn diagrams. *I can interpret simple pie charts.
		<ul style="list-style-type: none"> *I can complete, read and interpret information in tables, including timetables.
To use algebra		<ul style="list-style-type: none"> *I can use simple formulae. *I can express missing number problems algebraically. *I can find pairs of numbers that satisfy an equation with two unknowns.
		<ul style="list-style-type: none"> *I can enumerate possibilities of combinations of two variables. *I can solve number puzzles.