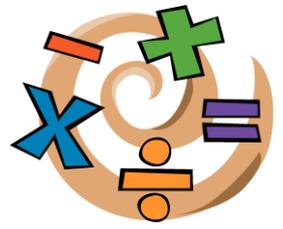




# Mathematics

## Shape, Space & Measures



Name: \_\_\_\_\_

*By the end of Year 4...*

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|--|--|--|--|
| To understand the properties of shapes       |  |  | I can compare and classify <b>geometric shapes</b> , including quadrilaterals and triangles, based on their properties and sizes.  |
|  |  |  | I am beginning to classify different <b>types of triangles</b> , such as equilateral, scalene, isosceles and right-angled.   |
|  |  |  | I can identify <b>acute, obtuse and right angles</b> .   |
|  |  |  | I can order <b>angles by size</b> .  |
|  |  |  | I can recognise the <b>line of symmetry</b> in a variety of diagrams.  |
| To describe position, direction and movement |  |  | I can complete <b>simple symmetric figures</b> when using a vertical or horizontal line of symmetry.   |
|  |  |  | I can describe <b>movements between positions as translations</b> using 'to the left/right' and 'up/down'.   |
|  |  |  | I can use the <b>directional terminology</b> : clockwise/ anticlockwise, 90° to describe position, direction and movement.   |
|  |  |  | I can write and plot <b>coordinates</b> in the <b>first quadrant</b> .   |
| To use measures                              |  |  | I can <b>plot specified points and draw sides to complete a given polygon</b> .  |
|  |  |  | I can convert between different <b>units of measure</b> .<br>E.g. kilometre to metre, hour to minute - using multiplication and division.  |
|  |  |  | I can measure and calculate <b>the perimeter of a rectilinear figure</b> (including squares) in centimetres and metres.  |
|  |  |  | I can find the <b>area of rectilinear shapes</b> by counting squares   |
|  |  |  | I can read, write and convert time between <b>analogue and digital 12- and 24-hour clocks</b> .  |
|  |  |  | I can solve problems involving converting from <b>hours to minutes, minutes to seconds, years to months, weeks to days</b> .   |
| To use statistics                            |  |  | I can estimate, compare and calculate <b>different measures</b> , including money in pounds and pence.   |
|  |  |  | I can <b>interpret and present discrete and continuous data</b> using appropriate graphical methods, including bar charts and time graphs.   |
| To use algebra                               |  |  | I can <b>solve comparison, sum and difference problems</b> using information presented in bar charts, pictograms, tables (e.g. Venn diagrams and Carroll diagrams) and other graphs. |
|  |  |  | I can <b>solve addition and subtraction, multiplication and division problems</b> that involve missing numbers.  |