## Geometry: Properties of Shapes



## Geometry: Properties of Shapes

|  | Early Learning Goal |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DRAWING AND CONSTRUCTING |  |  |  |  |  |  |
|  |  |  | draw 2-D shapes and make 3-D shapes using | complete a simple symmetric figure with respect to a specific | draw given angles, and measure them in degrees ( ${ }^{\circ}$ ) | draw 2-D shapes using given dimensions and angles |
|  |  |  | materials; recognise 3-D shapes in different orientations and describe them |  |  | recognise, describe and build simple 3-D shapes, including making nets (appears also in Identifying Shapes and Their Properties) |
| COMPARING AND CLASSIFYING |  |  |  |  |  |  |
| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |

## TRIBAL

Geometry: Properties of Shapes

|  |  | compare and sort common 2-D and 3-D shapes and everyday objects |  | compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes | use the properties of rectangles to deduce related facts and find missing lengths and angles <br> distinguish between regular and irregular polygons based on reasoning about equal sides and angles | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANGLES |  |  |  |  |  |  |
|  |  |  | recognise angles as a property of shape or a description of a turn |  | know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles |  |
|  |  |  | 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 | identify acute and obtuse angles and compare and order angles up to two right angles by size | identify: <br> * angles at a point and one whole turn (total $360^{\circ}$ ) <br> * angles at a point on a straight line and $1 / 2$ a turn (total $180^{\circ}$ ) <br> * other multiples of $90^{\circ}$ | recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles |

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|  |  |  | than or less than a <br> right angle |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | identify horizontal <br> and vertical lines <br> and pairs of <br> perpendicular and <br> parallel lines |  |  |

