## Maths Objectives - Shape

| Key Stage | Objective | Child Speak Target |
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| KS 1 Y1 | Recognise and name common 2-D and 3-D shapes, including 2-D shapes [for example, rectangles (including squares), circles and triangles]. | I can name common 2-D shapes such as rectangles, squares, circles and triangles. |
| KS 1 Y1 | Recognise and name common 2-D and 3-D shapes, including 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]. | I can name some 3-D shapes such as cuboids and cubes, pyramids and spheres. |
| KS 1 Y2 | Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. | I can describe the properties of some 2-D shapes, including the number of sides they have and facts about their symmetry. |
| KS 1 Y2 | Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. | I can describe the properties of some 3-D shapes, including the number of edges, faces and vertices they have. |
| KS 1 Y2 | Identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]. | I can tell you which 2-D shapes appear as the faces on 3-D shapes, such as triangles on a pyramid. |
| KS 1 Y2 | Compare and sort common 2-D and 3-D shapes and everyday objects. | I can compare 2-D and 3-D shapes with everyday objects around me. |
| KS 2 Y3 | Draw 2-D shapes and make 3-D shapes using modelling materials. | I draw 2-D shapes and make 3-D shapes using modelling materials. |
| KS 2 Y3 | Recognise 3-D shapes in different orientations and describe them. | I recognise and can describe 3-D shapes even when they have been turned about in different ways. |
| KS 2 Y3 | Recognise angles as a property of shape or a description of a turn. | I know an angle is used to measure how far something turns. An angle is also the point in a 2-D shape. |
| KS 2 Y3 | Identify right angles, recognise that two right angles make a halfturn, three make three quarters of a turn and four a complete turn . | I know what a right angles is and I know that two right angles make a half-turn, three make three quarters of a turn and four right angles make a complete turn. |
| KS 2 Y3 | Identify whether angles are greater than or less than a right angle. | I can tell whether an angle is greater than or less than a right angle. |
| KS 2 Y3 | Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. | I know when a line is horizontal or vertical or when two lines are perpendicular or parallel. |
| KS 2 Y4 | Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. | I can group 2-D shapes based on their properties (such as the number of sides) and sizes. |
| KS 2 Y4 | Identify acute and obtuse angles and compare and order angles up to two right angles by size. | I can find acute and obtuse angles and order a set of given angles by size. |
| KS 2 Y4 | Identify lines of symmetry in 2-D shapes presented in different orientations. | I can find all the lines of symmetry in 2-D shapes. |
| KS 2 Y4 | Complete a simple symmetric figure with respect to a specific line of symmetry. | If I have been given one half of a symmetrical shape, I can complete the other half based on the position of the line of symmetry. |
| KS 2 Y5 | Identify 3-D shapes, including cubes and other cuboids, from 2-D representations. | I can Identify 3-D shapes, including cubes and other cuboids, from 2D drawings. |
| KS 2 Y5 | Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. | I know that angles are measured in degrees and I can estimate and compare acute, obtuse and reflex angles. |
| KS 2 Y5 | Draw given angles, and measure them in degrees $\left({ }^{\circ}\right)$. | I can draw a given angle (such as $47^{\circ}$ ), and then measure them in degrees ( ${ }^{\circ}$ ). |
| KS 2 Y5 | Identify angles at a point and one whole turn (total $360^{\circ}$ ). | I know one whole turn - or a set of angles all around a point - measure a total of $360^{\circ}$. |
| KS 2 Y5 | Identify angles at a point on a straight line and a turn (total $180^{\circ}$ ). | I know that a straight line - or angles that add up to a straight line measure $180^{\circ}$. |
| KS 2 Y5 | Identify other multiples of $90^{\circ}$. | I can identify multiples of $90^{\circ}$ (right angles). |
| KS 2 Y5 | Use the properties of rectangles to deduce related facts and find missing lengths and angles. | I can find the missing lengths and angles of a rectangle. |
| KS 2 Y5 | Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. | I know regular shapes have equal sides and angles and irregular shapes do not have equal sides and angles. |



