Haughton School Mathematics Geometry – Properties of Shapes (Skills)

I can correct two incorrectly sorted sets.

I can identify inconsistencies in sets of objects.

I can describe why an object is different using words, symbols or gestures.

From a collection of regular shapes, I can pick out shapes with common features.

I can identify the odd one out from a selection of similar objects, where only one is different.

I can identify specific shapes from pictures, simple models or patterns.

I can copy a simple pattern using 3D objects when provided with a model. (Maths-PK3)

I can identify shapes that are round, those with corners or edges using words, symbols or gestures.

I can correct terms to compare two different objects or quantities.

I can select from a set of objects with a single attribute.

I can sort objects according to a stated characteristic (Maths-PK2)

I can sort and compare big and small objects on request.

I can manipulate 3D shapes.

I can identify the big or small object from a selection of two (Maths-PK2)

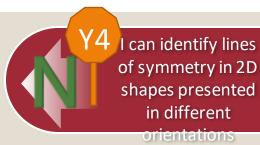I can place objects in and out of containers according to target shape.

I begin to demonstrate and use prepositions to describe the locations of objects.

I can give the correct object to an adult, on request

I can find a similar object requested by another person.

2+3=5

Y4

I can identify lines of symmetry in 2D shapes presented in different orientations

I can identify pairs of perpendicular lines and pairs of parallel lines.

I can identify horizontal and vertical lines.

I can recognise and describe 3D shapes in different orientations.

Y3

I can compare and sort common 3D shapes and everyday objects.

I can recognise angles as a property of a shape or a description of a turn.

I can identify angles in terms of right angles.

I can draw and describe 2D shapes.

I can make 3D shapes using modelling materials.

I can compare and sort common 2D shapes and everyday objects.

Y2

I can identify 2D shapes on the surface of 3D shapes (Maths-PK6)

I can identify and describe the properties of 3D shapes (Maths-PK6)

I can identify and describe the properties of 2D shapes (Maths-PK5)

I can recognise and name common 3D shapes (Maths-PK5)

Y1

I can describe using words, symbols or gestures why an object does not belong to a given category.

I can sort and classify objects using one criterion.

I can sort and classify objects using more than one criteria.

I can recognise and name common 2D shapes (Maths-PK4)

2+3=5

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I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

I can identify diameter is twice the radius

I can name parts of circles, including radius, diameter and circumference.

Y6

I can use the properties of rectangles (including squares) to deduce related facts

I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles

I can draw 2-D shapes using given dimensions and angles.

I can find unknown angles in any triangles, quadrilaterals, and regular polygons

I can identify: angles at a point and one whole turn (total 360°) angles at a point on a straight line and ½ a turn (total 180°) other multiples of 90°

I can measure a given angle, writing its size in degrees (°)

I can draw a given angle in degrees (°)

I know angles are measured in degrees (°) and I can estimate and compare acute, obtuse and reflex angles

Y5

I can complete a simple symmetric figure with respect to a specific line of symmetry.

I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes

I can identify acute and obtuse angles and compare and order angles up to two right angles by size

I can identify 3D shapes, including cubes and cuboids, from 2D representatio

2+3=5