Year 5 Geometry
Properties of shape
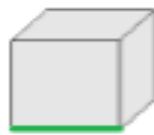
Word list:
Polygon
Two-dimensional
Three-dimensional
Parallel
Perpendicular
Regular
Irregular
Acute
Obtuse
Right

Angle
Reflex
Sides
Faces
Vertex/vertices
Symmetry
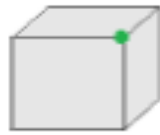Edges
Apex
Net
Point
Straight line

Identify 3D shapes from 2D representations
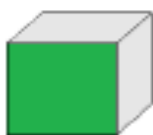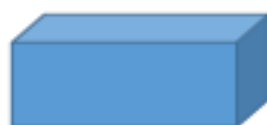
Faces are the surfaces of the shape

Edges are the line segments where two faces meet

Vertices are the places where 3 or more edges meet

cube

cuboid

triangular based pyramid (tetrahedron)
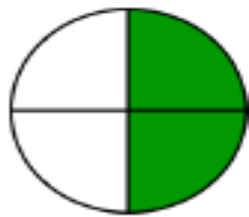
square based pyramid

triangular prism

sphere

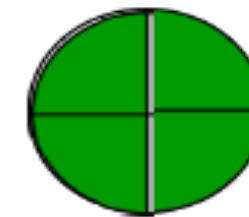## Identify angles at a point and one whole turn, on a straight line and half a turn, and other multiples of 90°

$\frac{1}{4}$ turn = 90°

$\frac{1}{2}$ turn = 180°

$\frac{3}{4}$ turn = 270°

1 turn = 360°

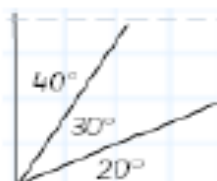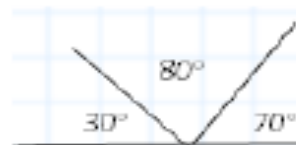## Identify, estimate and compare acute, obtuse and reflex angles

Acute angles measure less than 90°

Obtuse angles measure greater than 90° and less than 180°

Reflex angles measure greater than 180° and less than 360°

40°
30°
20°

80°
30°   70°

80°   120°
50°
110°

Right angles always add up to 90°

Angles on a straight line always add up to 180°

Angles around a point always add up to 360°