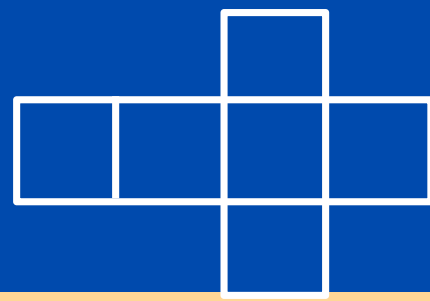


# MATHS- SHAPE

## YEAR 6

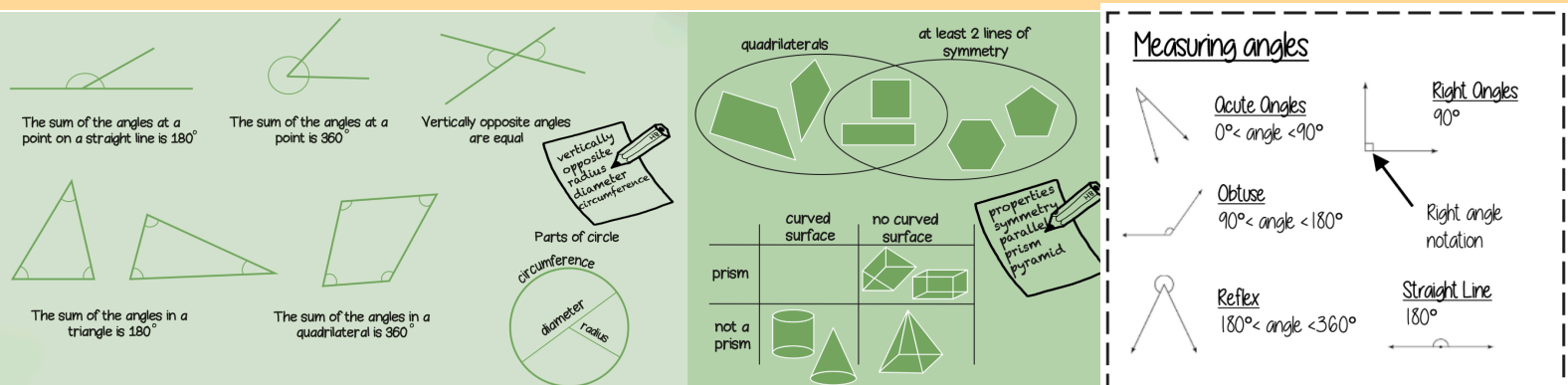


### RECAP

- A protractor is used to measure angles.
- A regular shape is a 2D shape with all sides being the same length and all angles being the same size.
- There are three types of triangle; a scalene, isosceles and equilateral triangle.

### CRUCIAL KNOWLEDGE

- There are 180 in a straight line.
- The interior angles of a triangle add up to 180.
- The interior angles of a quadrilateral add up to 360.
- There are four types of angle: acute, right, obtuse and reflex.
- There are 360 in a circle.
- A net is a 2d plan that you can fold to make a 3D shape.
- 3-D shapes have 3 dimensions: height, width and depth. They have faces, vertices and edges.
- A circle is A 2d SHAPE. The perimeter of a circle is called the circumference. The distance across the circle when passing through the centre is the diameter and the distance from the centre of the circle to the circumference is called the radius.



#### Diameter

The distance from one side of the circle to the other travelling through the centre.

#### Translation

Moving a shape from one point on a grid to another.

#### Quadrant

One of four grids around the 0 origin that shows the location of a point.

#### Origin

The zero point on the co-ordinates grid.

#### Circumference

The distance around the outside of a circle.

#### Rectilinear

A shape with straight sides that all meet at right angles.

#### Prism

A 3D shape with a cross-section of a polygon all the way along its length.

#### Radius

The distance from the centre of a circle to the circumference.

#### Perpendicular

Lines that are at a right angle to each other where they meet.

#### Cube

A 3D shape with six square faces.

#### Reflex

An angle greater than 180° and less than 360°.

#### Regular

A shape where sides and angles are all equal.

#### Vertically Opposite

The angles formed when two straight lines cross over.

#### Cuboid

A 3D shape with six rectangular faces.

#### Polygon

A shape with straight sides.

#### Irregular

A shape where sides and angles are not all equal.