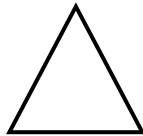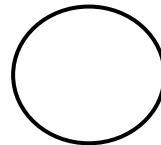# GEOMETRY

'2D and 3D Shapes'

Shapes like square, triangle, circle, oval, diamond, kite etc are called **2D or plane figures**.

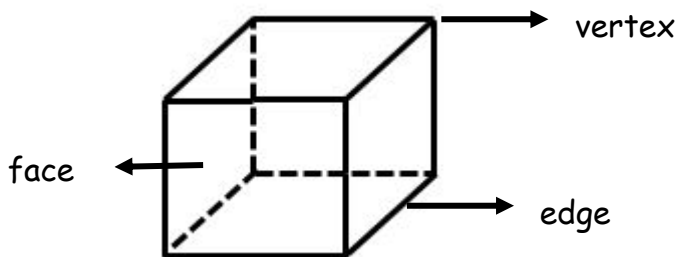Square   Triangle   Circle

Shapes that are made up of faces, edges and vertices(corners) are called **3D or solid shapes**.
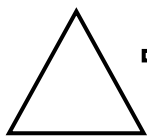
vertex

face

edge

Cuboid has:
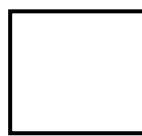
6 faces, 12 edges and 8 vertices

A **polygon** is a 2D shape with straight sides.

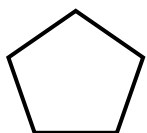The sides and angles of a regular polygon are all equal.

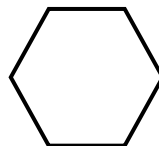Following are names of some polygons.

⟹ Triangle
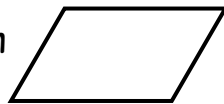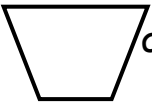3 sides

⟹ Square
4 sides

⟹ Pentagon
5 sides

⟹ Hexagon
6 sides

A **Quadrilateral** is 2D shape with four sides.

For example, *square* □ , *rectangle* ▭ , *rhombus* ▱ ,

parallelogram ▱ and *trapezium* ⏢ are quadrilaterals.