

## Chapter 10

**Face** – a flat surface of a 3D figure

**Edge** – where the two faces meet

**Net** – a flat diagram of a polyhedron

**Polyhedron** – a 3D figure whose faces are all polygons

**Vertex** – the point where 3 or more edges meet

**Base** – the side of a polygon

**Prism** – has two parallel, congruent bases.

**Pyramid** – has one base

**Cylinder** – has 2 parallel, congruent bases which are circles

**Cone** – has one base

**Sphere** – the surface is made up of points which are the same distance from a given point

**Volume** – how many cubic units a 3D figure holds

**Formulas** : Rectangular prism  
Triangular prism  
Cylinder  
Rectangular pyramid  
Triangular pyramid  
Cone

**Surface area** – the combined area of all the surfaces.

**Formulas** –

Prisms

Square pyramid

Triangular pyramid

Cone