Visualizing 3D – Shapes

→ 3-D Shapes

A solid object has three measurements namely length, breadth, height or depth. Hence, they are called three-dimensional shapes. Also, a solid shape occupies some space.

Some three-dimensional figures are shown below:



Three-dimensional figures have different numbers of faces, edges and vertices. All the flat surfaces of the figure are called faces, these faces are 2-D shapes. The line segment where the faces of three-dimensional figures meet each other is called the edge of the shape. The corners or points where the edges of the figure meet each other are called vertices (if one such point is there, then it is called a vertex).Parts of Solid Shapes

Consider a cuboid, the faces, edges and vertices are shown below:

The number of faces = 6

Number of edges = 12

Number of vertices = 8

