

Surfaces, Edges and Corners of Solids

⇒ Edges, Vertices and Face of a Solid

The side of a solid is called its **edge**. The edges may be straight or curved. The point where two or more edges meet is called **vertex**.

⇒ The surface of a solid is called its **face**. The face may be flat or curved. The shape of the flat face may be a circle, a triangle, a square, a rectangle, etc. depending on the figure.

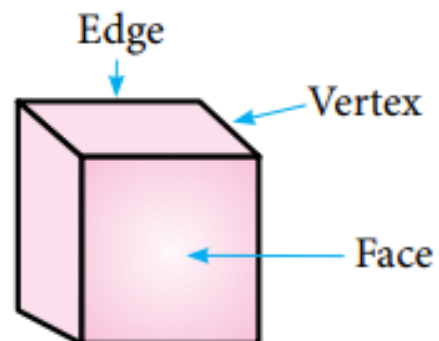
⇒ An edge, a vertex and a face of a cube have been marked in the figure shown below.

Cube:

Number of edges = 12

Number of vertices = 8

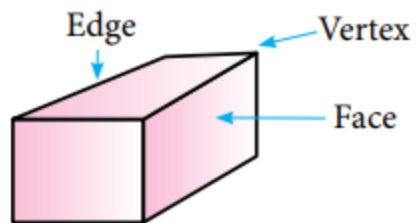
Number of faces = 6



All edges of a cube are equal in length.

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Cuboid:

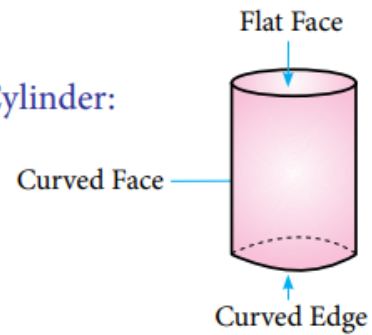


Number of edges = 12

Number of vertices = 8

Number of faces = 6

Cylinder:



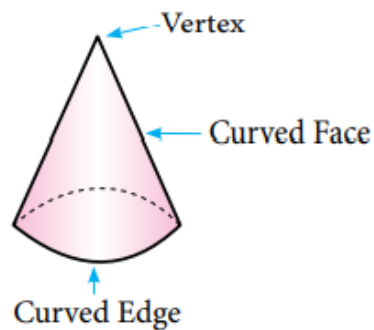
Number of edges = 2

Number of vertices = 0

Number of flat faces = 2

Number of curved face = 1

Cone:



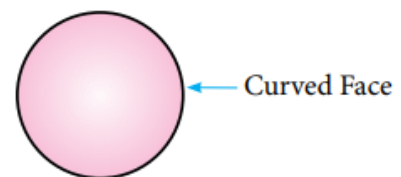
Number of edge = 1

Number of vertex = 1

Number of flat face = 1

Number of curved face = 1

Sphere:



Number of edge = 0

Number of vertex = 0

Number of flat face = 0

Number of curved face = 1