Jender Heart High School, Sec-33B, Chandigarh Class - VI Subject - Mathematics Date - 10.02.2025 Jeacher - Ms. Sushma Chapter-20 Recognition of 3D Shapes (Solids) A closed figure which lies in more than one plane is called a space figure or a solid figure. A solid is a three-dimensional figure that encloses a part of space. Identifying Faces, Vertices and Edges'-<u>Cuboid</u> <u>Cube</u> Straight Edge Face Venter Edge Corner Face A cuboid has 6 faces, 12 - edges, 8 corners(called vertices) A cube is a cuboid whose edges are of equal length. It has 6 faces, 12 Edges, 8 vertices Edge Cylinder Face Face Face Face Face It has 2 flat or plane faces which are circles and one and no corners. face



It has 5 faces, 6 corners (vertices) and 9 edges.

(vertices) and 8 edges.

Net of a 3D-shape In geometry, the net of a 3D-shape is the figure in a plane which can be folded to form In geometry in a plane which can be folded to form that 3D-shape. In other words, a net of a 3D-shape is the figure that would be formed when that 3D-shape is opened and spread out flat in a 2D-plane.

We will study some most common nets of certain 3D-shapes in this chapter, though there may be numerous nets for any particular 3D-shape.

Cube : Given below are 11 most common nets of a cube.











12. Hexagonal Pyramid

