



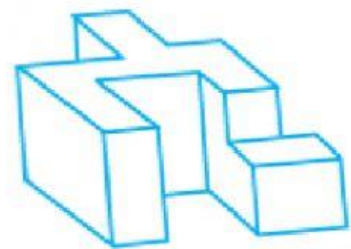
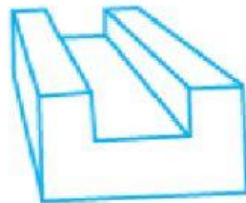
Concept\_HW\_G8\_Vertices, Sides, and Faces of a Polyhedron

Can a polyhedron have  $V = F = 9$  and  $E = 16$ ? If yes, draw its figure.

Check whether a polyhedron can have  $V = 12$ ,  $E = 6$  and  $F = 8$ .

A polyhedron has 60 edges and 40 vertices. Find the number of its faces.

Find the number of faces in the given shapes:



A polyhedron has 20 faces and 12 vertices. Find the edges of the polyhedron.

A solid has forty faces and, sixty edges. Find the number of vertices of the solid.

Draw the net of a regular hexahedron with side 3 cm. (Hint: Regular hexahedron - cube)

Draw the net of a regular tetrahedron with side 6 cm.

Draw the net of the following cuboid:

