

Board – CBSE

Class – VII

Topic – Visualizing solid shapes

1. What is a hexagonal prism?
2. How many vertices are there in a pyramid with a square base?
3. How many edges are there in a cuboid?
4. What are three-dimensional shapes?
5. What are two-dimensional shapes?
6. How many vertices are there in a triangular pyramid?
7. How many faces are there in a triangular prism?
8. What are the three views in a solid?
9. What are regular polyhedrons?
10. A pyramid with square base has 5 faces and 8 edges. By Euler's formula, find the vertices of the pyramid.
11. Can a polyhedron have 20 faces, 40 edges and 30 vertices?
12. State and verify the Euler's Formula for a rectangular prism
13. By using Euler's formula find the unknown.
 - a) Vertices = 12, Faces = 4, Edges = ?
 - b) Faces = 5, Edges = 8, Vertices = ?
 - c) Edges = 2, Vertices = 3, Faces = ?
14. Define: a) Face b) Edge c) Vertex
15. A pentagonal prism has _____ faces, _____ edges & _____ vertices.
16. A hexagonal pyramid has _____ faces, _____ edges & _____ vertices