

Name:

Date:

Q01. Fill in the blanks:

- (a). A three dimensional shape is _____ object.
- (b). The most important part of a map is the _____.
- (c). A two dimensional shape is _____ shape.
- (d). _____ are used to depict different objects/places in a map.
- (e). A pentagonal prism has _____ faces, _____ edges and _____ vertices.

Q02. What is a hexagonal prism?

Q03. How many faces are there in a triangular prism?

Q04. A pyramid with square base has 5 faces and 8 edges. By Euler's formula, find the vertices of the pyramid.

Q05. Give two differences between a picture and a map.

Q06. What are the three views in a solid?

Q07. Can a polyhedron have 20 faces, 40 edges and 30 vertices?

Q08. State and verify the Euler's Formula for a rectangular prism.

Q09. Find the number of edges, vertices and faces in a given solid.

Q10. Give two basic differences between a prism and a pyramid.

Q11. What are regular polyhedrons?

Q12. State true or false

- (a). In a map, places that are far & those that are near, will be of the same size to an observer.
- (b). If we add the dimension 'height' to a rectangle (with certain length & breadth), we obtain a cuboid.

Q13. How many edges are there in a triangular pyramid?

Q14. State and verify the Euler's Formula for a cube.

Q15. 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 = ?

Q16. Give the importance of the scale in a map.

Q17. Define:

- (a). Face
- (b). Edge
- (c). Vertex

