MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

THREE - DIMENSIONAL FIGURES

Exercise 19 A

1. Write down the number of faces of each of the following figures:

(i) Cuboid, (ii) Cube, (iii) Triangular prism, (iv) Square pyramid, (v) Tetrahedron

2. Write down the number of edges of each of the following figures.

(i) Tetrahedron , (ii) Rectangular pyramid, (iii) Cube, (iv) Triangular prism,

3. Write down the number of vertices of each of the following figures.

(i) Cuboid, (ii) Square pyramid, (iii) Tetrahedron, (iv) Triangular prism,

4. Fill in the blanks,

(i) A cube has............. Vertices............. Edges and .... faces.

(ii) The point at which three faces of a figure

meet is known as its…………

(iii) A cuboid is also known as a rectangular…………

(iv) A triangular pyramid is called as ………………

Exercise 19 B

1. Define Euler's relation between the number of faces, number of edges and number of vertices for various 3-dimensional figures.

2. How many faces are there in a

(i) cuboid, (ii) tetrahedron, (iii) triangular

prism, (iv) square pyramid?

3. How many faces are there in a

(i) cube, (ii) pentagonal prism, (iii) tetrahedron

4. How many vertices are there in a

(i) cuboid, (ii) tetrahedron, (iii) pentagonal prism,

(iv) square pyramid?

5. Verify Euler's relation for each of the following:

(i) cube, (ii) A tetrahedron, (iii) A triangular prism, (iv) A square pyramid.

Watch Video Solution