

CHAPTER – 13 Visualising Solid Shapes | CLASS 7TH

MATHS IMPORTANT QUESTIONS

Important Questions

Question 1.

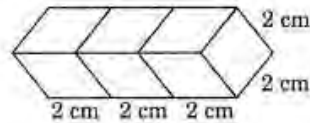
If three cubes of dimensions $2\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ are placed end to end, what would be the dimension of the resulting cuboid?

Solution:

Length of the resulting cuboid = $2\text{ cm} + 2\text{ cm} + 2\text{ cm} = 6\text{ cm}$

Breadth = 2 cm

Height = 2 cm



Hence the required dimensions = $6\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$.

Question 2.

Answer the following:

(i) Why a cone is not a pyramid?

(ii) How many dimension a solid have?

(iii) Name the solid having one curved and two flat faces but no vertex.

Solution:

(i) Cone is not a pyramid because its base is not a polygon.

(ii) Three.

(iii) Cylinder

Question 3.

Write down the number of edges on each of the following solid figures:

(i) Cube

(ii) Tetrahedron

(iii) Sphere

(iv) Triangular prism

Solution:

(i) 12

(ii) 6

(iii) 0

(iv) 9

Question 4.

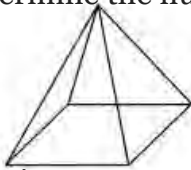
What cross-section do you get when you give a horizontal cut to an ice cream cone?

Solution:

Circle.

Question 5.

Determine the number of edges, vertices and faces in the given figure.



Solution:

Edges = 8

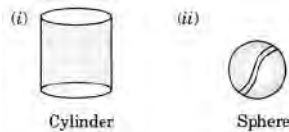
Vertices = 5

Faces = 5

Question 6.

Draw the sketch of two figure that has no edge.

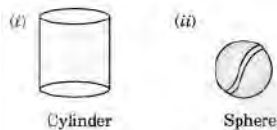
Solution:



Question 7.

Draw the sketches of two figures that have no vertex.

Solution:



Question 8.

Name any three objects which resemble a sphere and cone.

Solution:

Sphere: Football, Earth, Round table

Cone: Conical funnel, ice cream cone, conical cracker

Question 9.

What shape would we get from the given figure?



Solution:

From the given net, we get a rectangular pyramid.