

Maths-7

Chapter 12: Representing 3-D in 2-D –Worksheet

A. Multiple Choice Questions (MCQs)

1. A solid shape is also called a _____:

- A) 2-D shape B) 3-D shape C) Flat shape D) Line segment

2. The 2-D view of a 3-D object is called:

- A) Net B) Sketch C) Shadow D) Map

3. Which of the following is a 3-D object?

- A) Square B) Triangle C) Cube D) Circle

4. A cuboid has how many faces?

- A) 4 B) 6 C) 8 D) 10

5. The top view of a cylinder looks like a:

- A) Rectangle B) Triangle C) Circle D) Square

B. Fill in the Blanks

1. A _____ is a flat representation of a solid shape.

2. A cube has _____ edges.

3. The side view of a cylinder looks like a _____.

4. A solid having 6 rectangular faces is called a _____.

5. A net can be folded to form a _____ object.

C. Short Answer Questions

1. What is the difference between 2-D and 3-D shapes?
2. How many faces, edges, and vertices does a cube have?
3. Draw or describe the top view of a cuboid.
4. What is a net of a solid?
5. Give two examples of 3-D objects found in daily life.

D. Application-Based Questions

1. A milk container is in the shape of a cylinder. Describe its top view, front view, and side view.
2. A gift box is cuboidal. If you draw its net, how many rectangles will it contain?
3. A dice is a cube. Draw or describe the 2-D shape seen from the front view.
4. A water tank is cylindrical. Explain why its top view is circular.
5. A triangular prism has triangular faces. How many rectangles does its net contain?