BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA
CLASS – IV REVISION ASSIGNMENT – 1
Ch – 1 & 2

I. Choose the correct option.

1. A circular paper plate is folded exactly in half. The crease passes through the centre and touches the circle at both ends. What is the crease called?
   (a) Radius (b) Diameter (c) Corner (d) Edge

2. A dice has the shape of a cube. How many faces, edges and corners does it have, respectively?
   (a) 6 faces, 8 edges, 12 corners (b) 6 faces, 12 edges, 8 corners
   (c) 8 faces, 12 edges, 6 corners (d) 6 faces, 10 edges, 8 corners

3. A child joins two ice-cream sticks at one end to make an angle of. Which type of angle is formed?
   (a) Acute angle (b) Obtuse angle (c) Right angle (d) Straight angle

4. A party hat is shaped like a cone. Which statement about it is correct?
   (a) It has 2 flat faces and 2 edges.
   (b) It has 1 flat circular face, 1 curved surface and 1 circular edge.
   (c) It has 6 flat faces and 8 corners.
   (d) It has no flat face and no curved surface.

5. A square sheet of paper is folded along one of its diagonals. What shape is formed by each half?
   (a) Rectangle (b) Circle (c) Triangle (d) Pentagon

II. ASSERTION AND REASON

Choose the correct option for each question.

(a) Both Assertion (A) and Reason (R) are true, and R correctly explains A.
(b) Both A and R are true, but R does not correctly explain A.
(c) A is true, but R is false.
(d) A is false, but R is true.

Q1. **Assertion (A)**: All the diameters of a circular clock are equal in length.
Reason (R): A diameter is a line segment passing through the centre of a circle, with both endpoints on the circle.

Q2. **Assertion (A):** A cuboid has 6 faces, 12 edges and 8 corners.
Reason (R): All the faces of a cuboid are triangular.

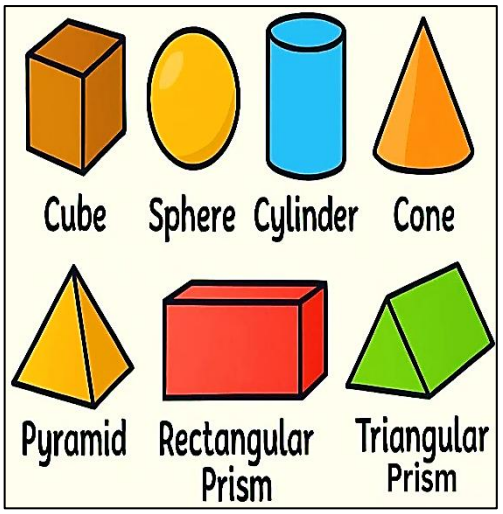
Q3. **Assertion (A):** A cylinder has two flat circular faces and one curved surface.
Reason (R): A tin can is an example of a cylinder.

Q4. **Assertion (A):** A square has four lines of symmetry.
Reason (R): A square can be folded into matching halves along its two diagonals and two lines passing through the midpoints of opposite sides.

Q5. **Assertion (A):** A triangular pyramid has 4 faces.
Reason (R): A triangular pyramid has 3 triangular faces and 1 square face.

III. CASE STUDY – 1

A toy shop displays different 3D shapes. Mehak observes a dice, a rectangular gift box, an ice-cream cone and a triangular tent model. She wants to identify their mathematical properties.

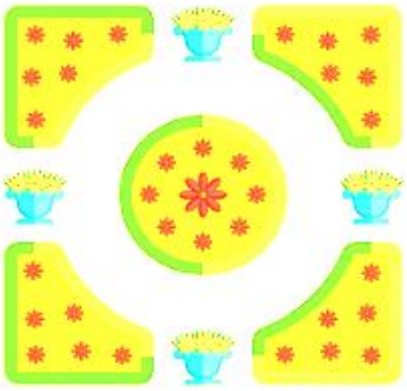


Answer the following questions.

a) The dice is shaped like a cube. How many faces does it have?
b) The rectangular gift box is shaped like a cuboid. How many edges does it have?
c) Name the 3D shape of the ice-cream cone.
d) A triangular tent model is shaped like a triangular prism. How many triangular faces does it have?
e) Which of these shapes has one curved surface and one flat circular face: the dice or the ice-cream cone?

CASE STUDY – 2

A school is designing a garden. There is a circular flower bed, a rectangular walking path and a triangular flower bed. Aarav observes the shapes and uses paper strips to understand their properties.



Answer the following questions.

a) Aarav draws a line from the centre of the circular flower bed to its boundary. What is this line called?
b) The diameter of the circular flower bed is 18 cm. Find its radius.
c) The rectangular walking path has four corners. What type of angle is formed at each corner?
d) How many sides does the triangular flower bed have?
e) Aarav makes a full turn while walking around the garden. How many right-angle turns is this equal to?