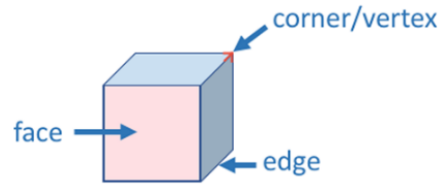# Faces, Edges and Corners

## Understanding Notes

- Solid shapes have different parts called faces, edges, and corners

- A face is the flat or curved surface of a solid shape

- An edge is the line where two faces meet

- A corner is the point where edges meet (also called vertex)

- Different solids have different numbers of faces, edges, and corners

- Cube, cuboid, cone, cylinder, and sphere are common solid shapes we see around us

## Example: (Easy – Cube)

- A dice is shaped like a cube

- It has 6 faces, 12 edges, and 8 corners

- All faces are square and flat

    **Answer** = Cube has 6 faces, 12 edges, 8 corners
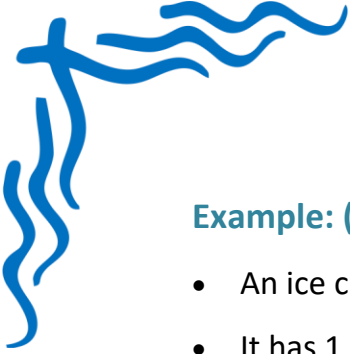
## Example: (Easy – Sphere)

- A ball is shaped like a sphere

- It has 1 curved face

- It has no edges and no corners

    **Answer** = Sphere has 1 curved face, no edges, no corners

## Example: (Moderate – Cylinder)

- A water bottle is shaped like a cylinder

- It has 2 plane circular faces and 1 curved face

- It has 2 edges and no corners

    **Answer** = Cylinder has 3 faces, 2 edges, 0 corners

## Example: (Moderate – Cone)

- An ice cream cone has 1 flat face and 1 curved face
- It has 1 edge and 1 corner (at the tip)

    **Answer** = Cone has 2 faces, 1 edge, 1 corner

## Example: (Moderate – Cuboid)

- A matchbox is shaped like a cuboid
- It has 6 flat faces, 12 edges, and 8 corners
- Faces are rectangles

    **Answer** = Cuboid has 6 faces, 12 edges, 8 corners

## Summary Points

- Face is the surface of a solid shape
- Edge is the line where two faces meet
- Corner is the point where edges meet
- Cube and cuboid have 6 faces, 12 edges, and 8 corners
- Sphere has only one curved face and no edges or corners
- Cone and cylinder have both plane and curved faces