

## 3D SHAPES

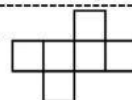


❖ 3D shapes are shapes that take up space. It means they are solid shapes and you could hold them in your hands. Everything around you is made up of 3D shapes.

### Development of Concept:

**CUBE:** Have you ever seen a dice or a Rubik cube? They look like a cube.

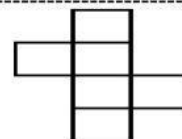
A cube has 6 flat faces. Each face of a cube is a square.



**CUBOID:** Have you ever seen a door or a whiteboard? They look like a cuboid.

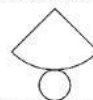
A cuboid has 6 flat face. Each face of a cuboid is a rectangle.

(OR 4 faces are rectangular while the other 2 are square shaped)



**CONE:** Have you ever seen a birthday cap or a traffic cone? They look like a cone.

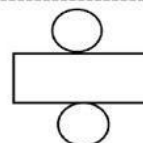
A cone has 1 flat circular face and 1 curved surface. A cone can roll on its side.



**CYLINDER:** Have you ever seen a glass of water or a battery cell? They look like a cylinder.

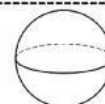
A cylinder has 2 flat faces and 1 curved surface. The top and bottom faces are flat and circular.

A cylinder will only roll in one direction when placed on its curved surface.




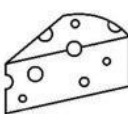



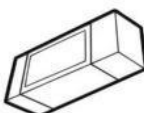
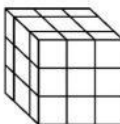

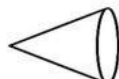



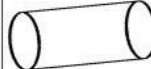



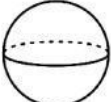



**SPHERE:** Have you ever seen a football or a globe? They look like a sphere.

A sphere has no flat faces and only 1 curved surface. Spheres can roll in every direction.



### Applying the Concept: (Guided Practice)

**ACTIVITY: 1** Look at the 3D shape on the left and select the object in the row that matches with the 3D shape.

 CUBE			
 CUBOID			
 CONE			
 CYLINDER			
 SPHERE			

**ACTIVITY: 2** Encircle the odd shape out.

- Hexagon , Pentagon , Cube , Circle
- Square , Sphere , Heptagon , Oval
- Cube , Cone , Cylinder , Octagon

