

Chapter- 12

Geometry

STUDY NOTES**LEARNING OBJECTIVE:** Enable the learners to know about:

- Flat shapes
- Solid Shapes

What is a shape?

Shape is the outer layer of an object. Shapes can be plane and solid.

Shapes around us:**PLANE SHAPES:**

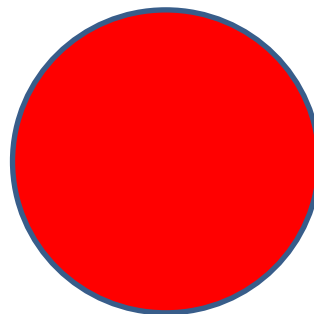
Plane shapes are flat figures.

CIRCLE:

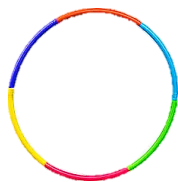
It is a circle.

It is round.

It has no corners and no sides.



Example :

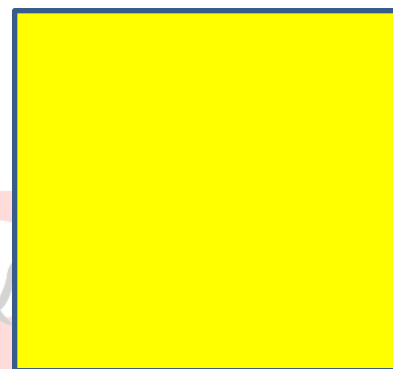


SQUARE

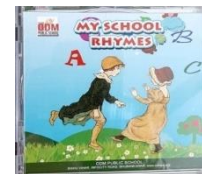
It is a square.

It has 4 equal sides.

It has 4 corners



EXAMPLE:

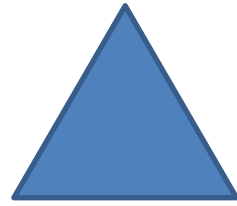


TRIANGLE :

This is a Triangle.

It has 3 sides.

It has 3 corner



Example :



RECTANGLE :

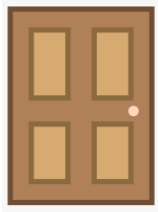
This is a rectangle.

It's two opposite sides are equal.

It has four corners.

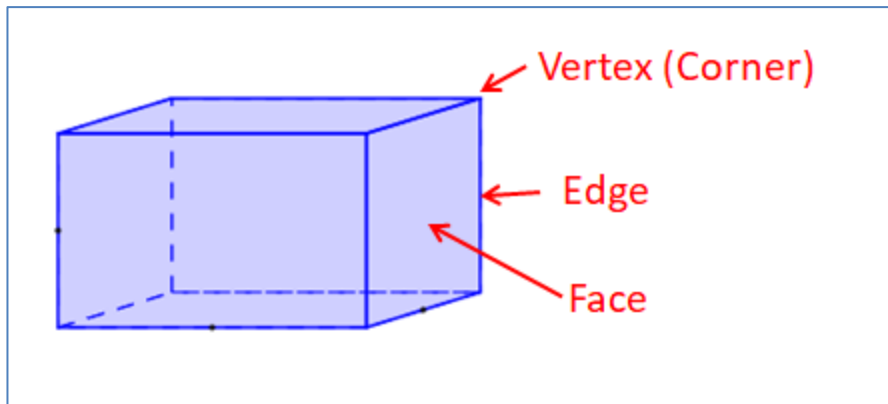


Example :

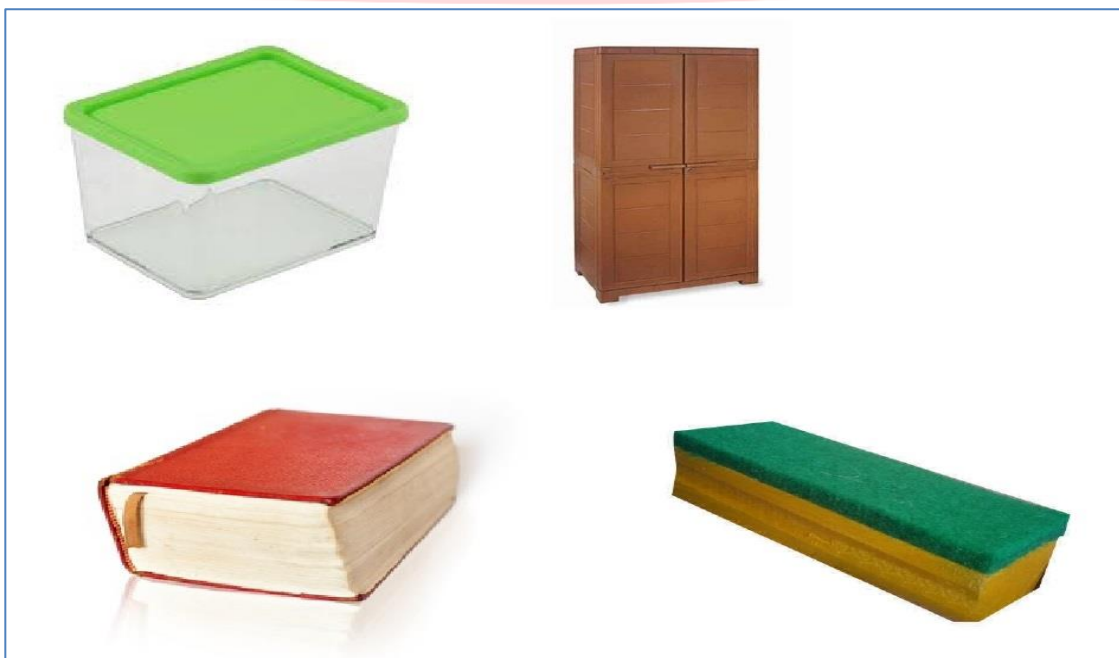


SOLID SHAPES:

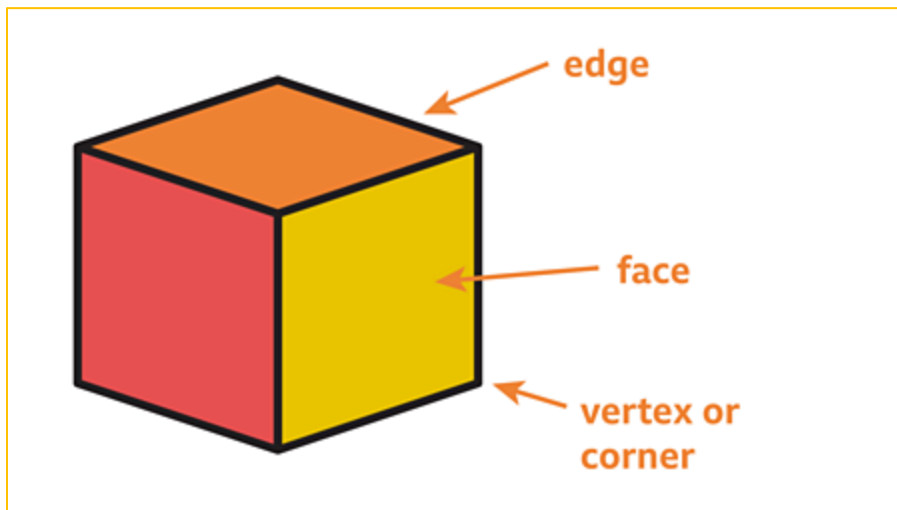
CUBOID :



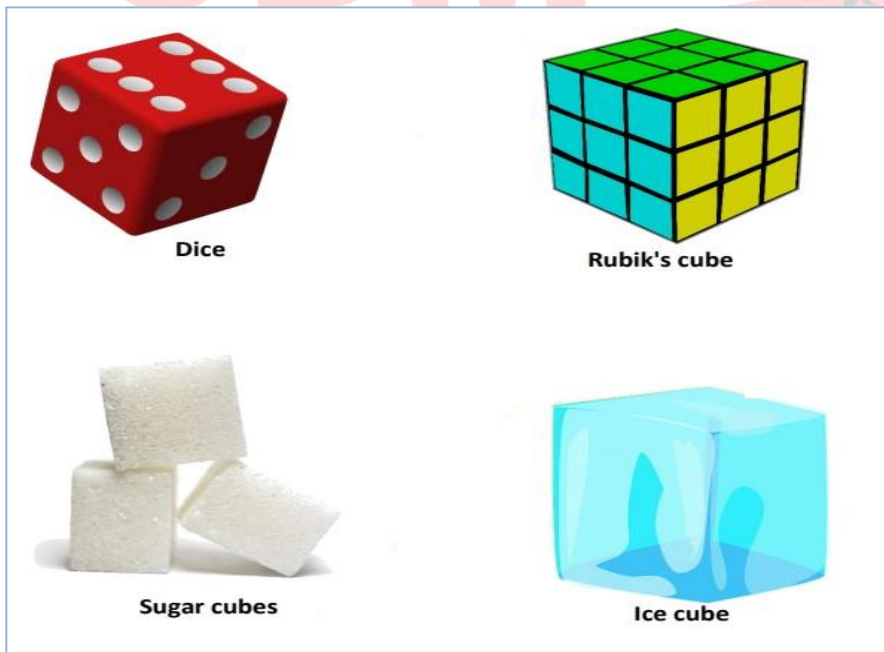
Examples:



CUBE:



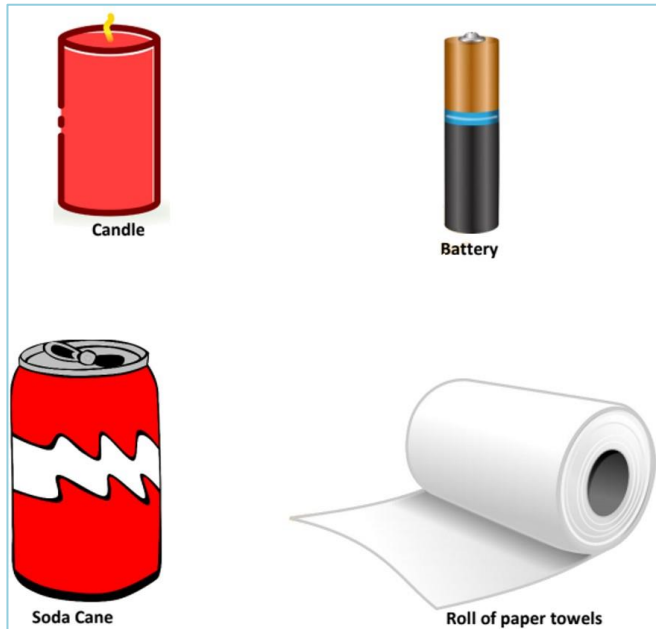
Examples:



Both Cuboid and Cube have 8 vertices, 12 edges and 6 faces.

Cylinder:

It looks like a candle.



Cone:

Changing your Tomorrow

It is like a birthday cap.



Cone

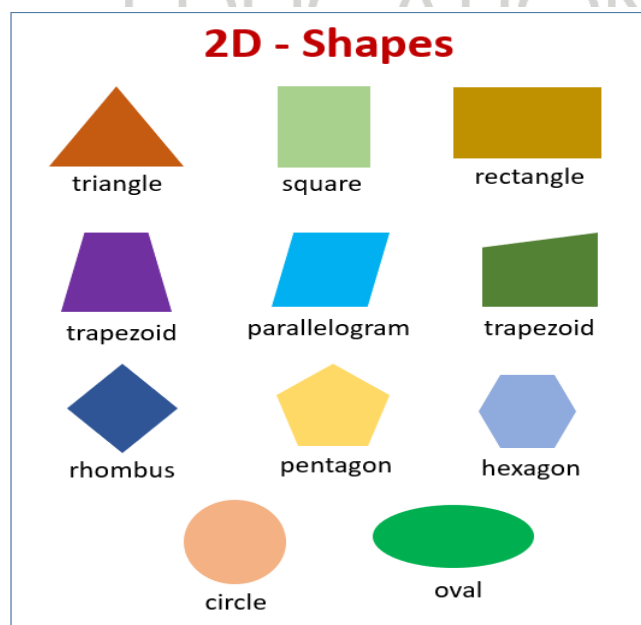
Sphere:

It look like a ball.

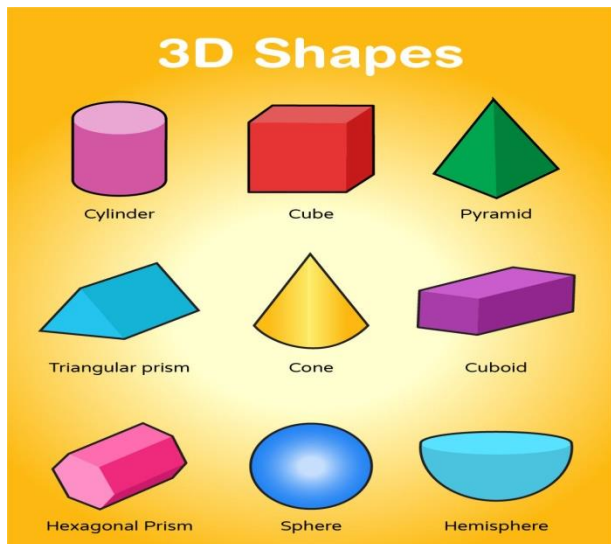
Example:



Different 2-D shapes :



Different 3-D shapes :



MIND MAP

