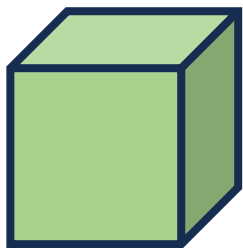


3 dimensional shapes

Three dimensional Shapes

- A shape that has three dimensions is called **three dimensional shapes or 3-D shapes**.
- The three dimensions are
 - ❖ length
 - ❖ width.
 - ❖ Height
- The basic types of 3d shapes are cube, cuboid, cone, sphere, prism, cylinder, pyramid etc.

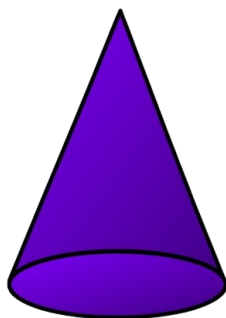
Various three dimensional Shapes



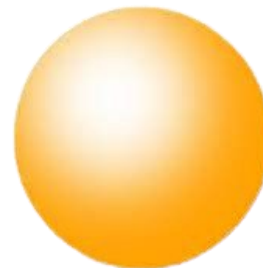
Cube



Cuboid



Cone



Sphere

Properties

There are 3 properties for 3 dimensional shapes. They are

- Faces
- Edges
- Corners or vertices

Faces

Faces are the surfaces on the outside of a shape.

Edges

Edges are the lines where two faces meet.

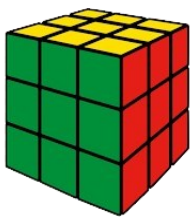
Corners or vertices

Vertices or corner are where two or more edges meet.

Cube

A cube is a three-dimensional solid bounded by six square faces.

Examples



Rubik
cube



Ice cube

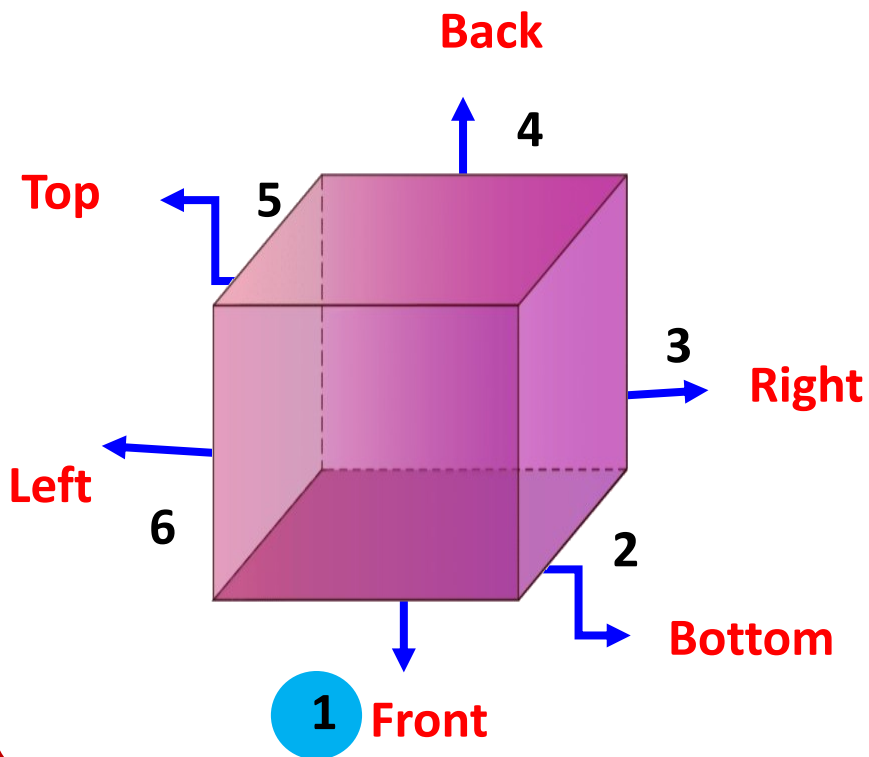


Dice

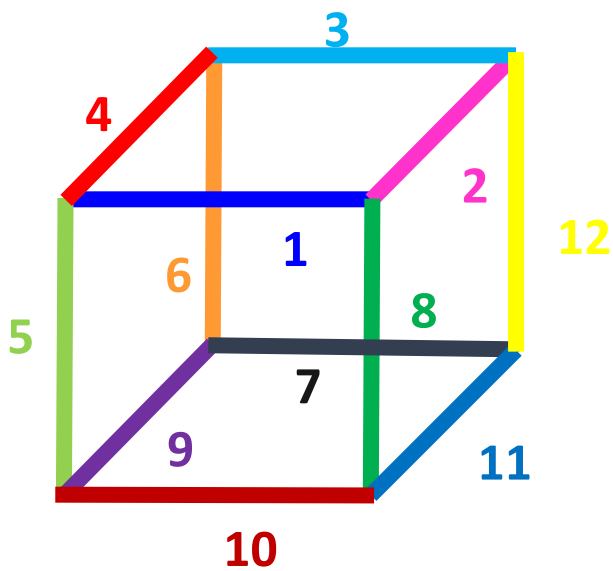


Box

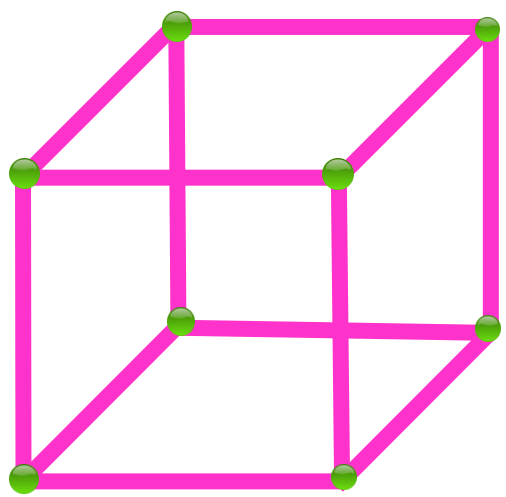
Properties



Faces — 6



Edges — 12

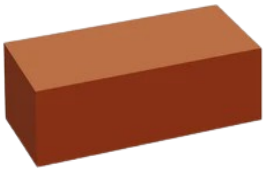


Vertices — 8

Cuboid

Cuboid is a solid with **six rectangular faces** and looks like a book or rectangular box.

Examples



Brick



Book

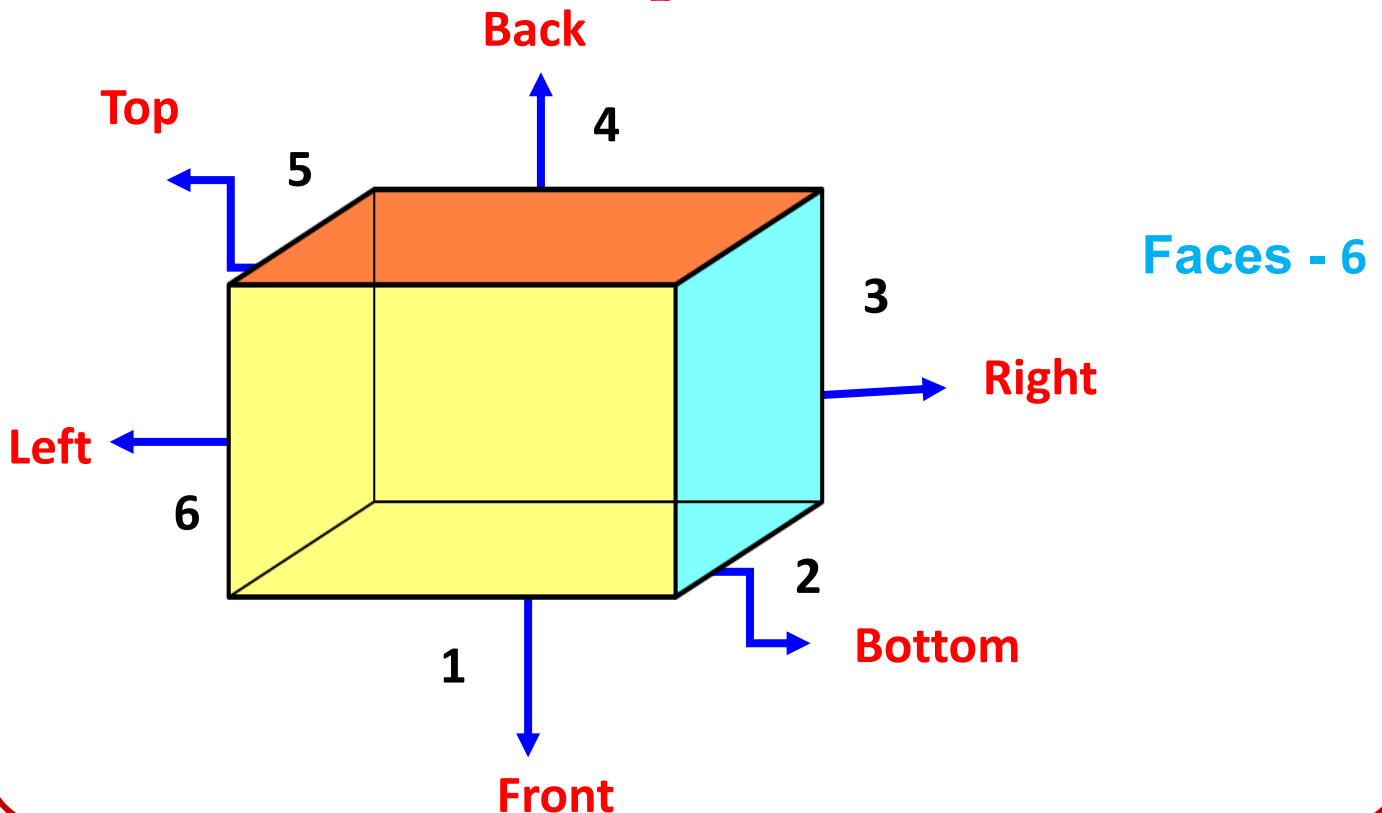


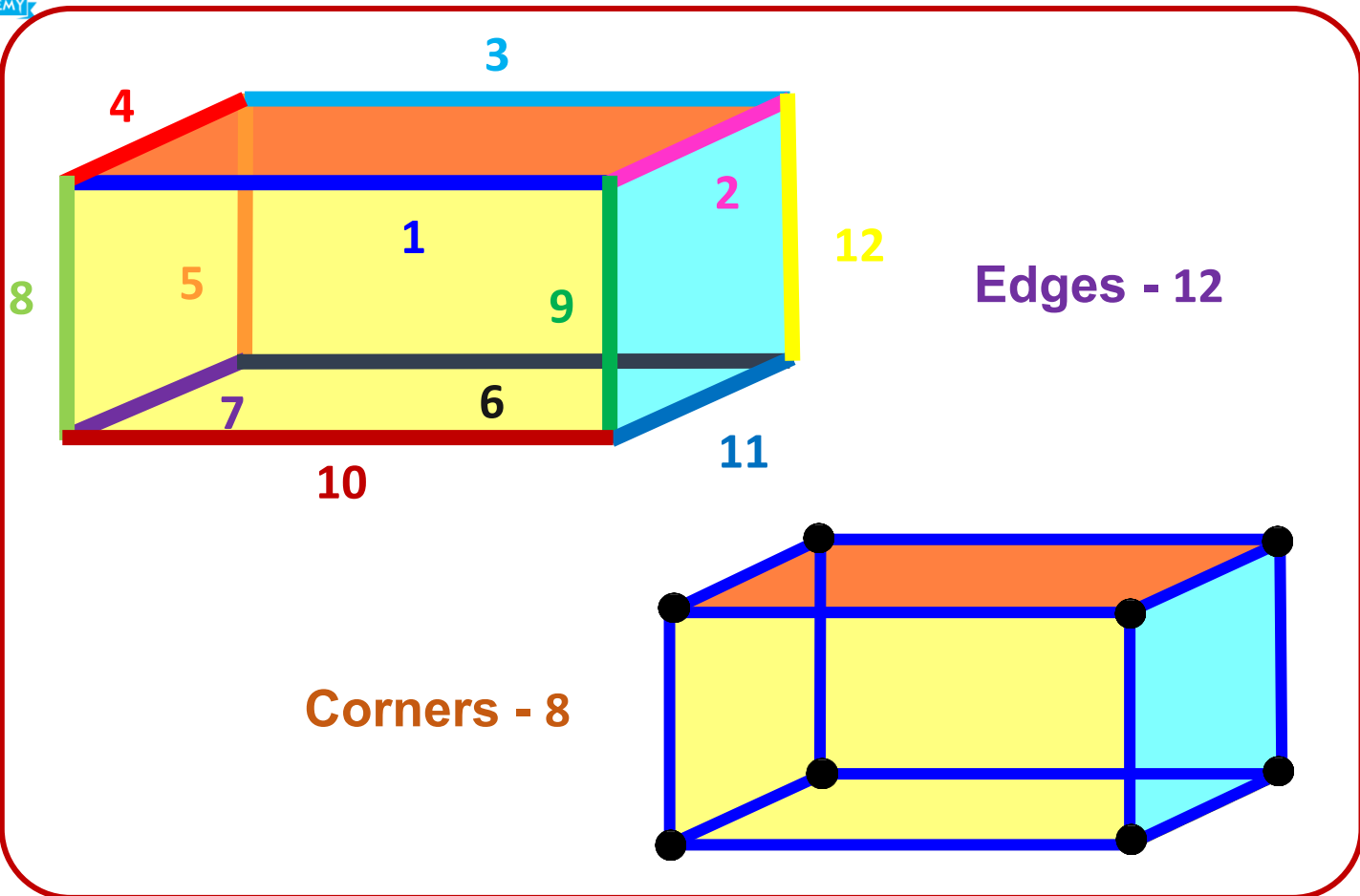
Pencil Box



Lunch Box

Properties





Sphere

Sphere is a shape that is round, with **no corners or edges**.

You can roll it and spin it

Examples



Ball



Earth

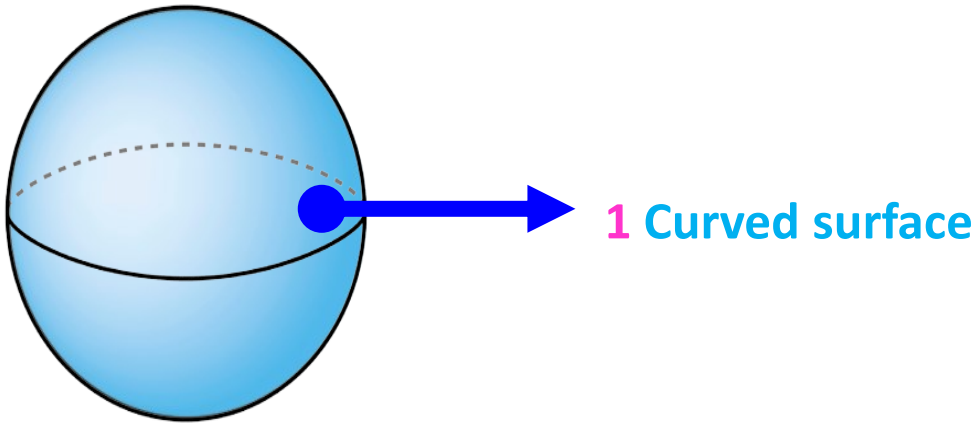


Iron ball



Marbles

Properties



There is **No** edges & vertices

Cone

A cone shape is a three-dimensional geometric figure that has a **curved surface**, which is pointed towards the top.

Examples



Ice
cream



Traffic
cone

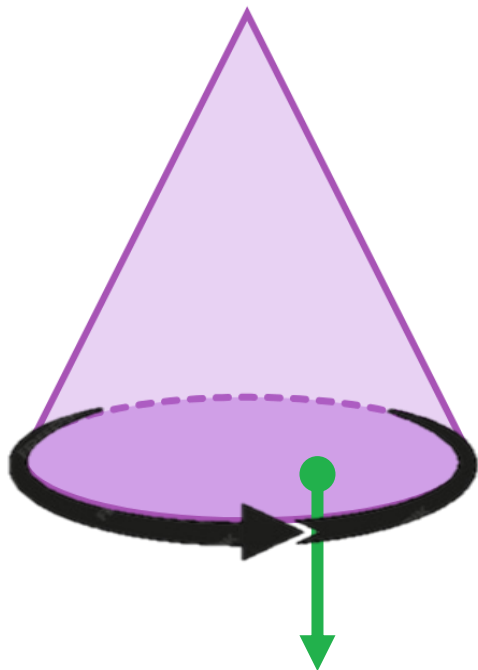
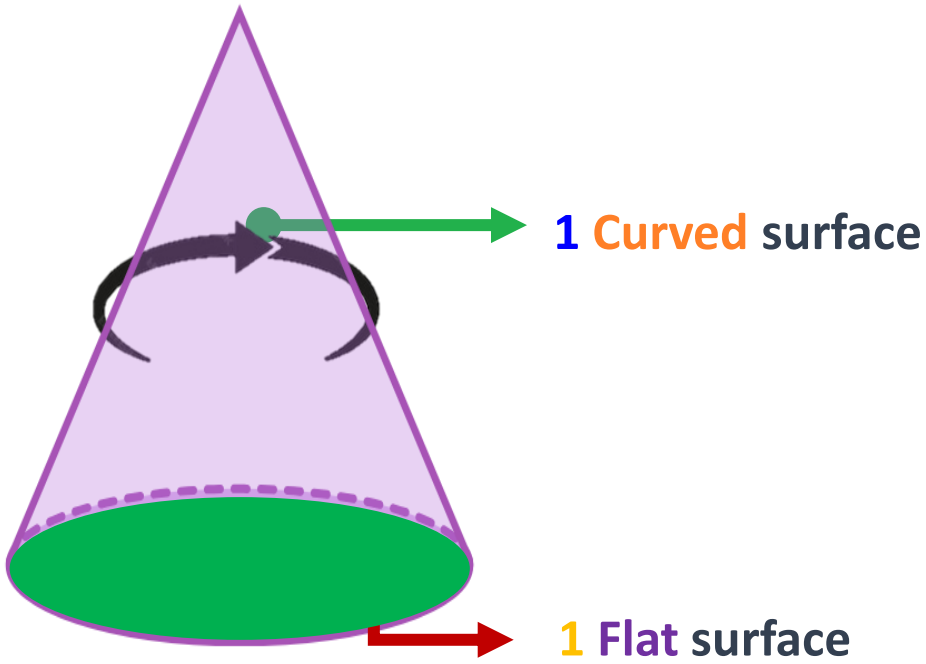


Party hat



Funnel

Properties



Corner - 1

