

**SESSION :8**

**CLASS : I**

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 12**

**CHAPTER NAME : GEOMETRY**

**SUBTOPIC : SOLID SHAPES(BOOK PAGE 117 )**

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**CHANGING YOUR TOMORROW**

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# CHAPTER- 12

## GEOMETRY

## TODAY'S TOPIC:

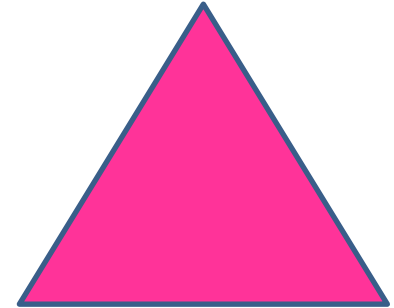
- ◆ SPHERE
- ◆ CUBE
- ◆ CUBOID
- ◆ CYLINDER
- ◆ CONE

## Recapitulation

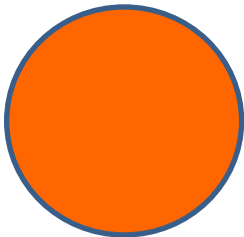
**CAN YOU RECOGNISE THESE PLANE SHAPES?**



**SQUARE**



**RECTANGLE**



**CIRCLE**



**TRIANGLE**

# WHO AM I ?

I have 2 long and 2 short sides.

**RECTANGLE**

I have no corners .

**CIRCLE**

I have 3 sides and 3 corners.

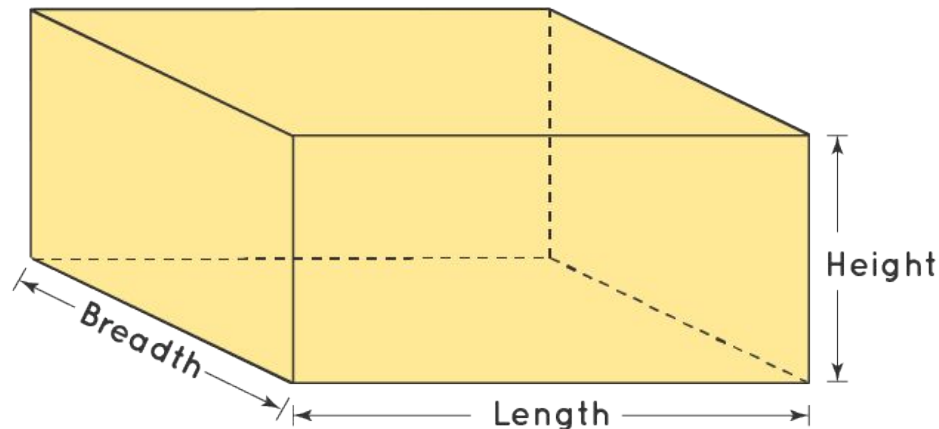
**TRIANGLE**

I have 4 equal sides.

**SQUARE**

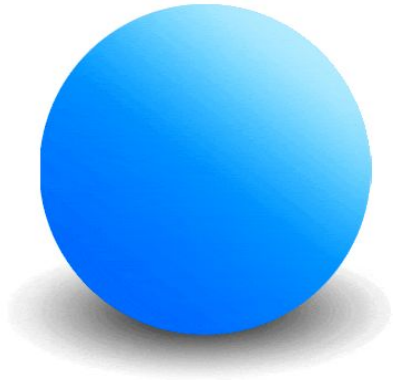
# SOLID SHAPES

- Solid shapes are nothing but solids that consist of 3 dimensions, namely **length, breadth, and height**.
- Solid shapes are also known as **3D shapes**.
- These solid shapes occupy space and are found in our day-to-day life.
- We touch, feel, and use them.
- In this fun lesson, you can check out some interactive examples to know more about these shapes



# SOLID SHAPES

## Sphere

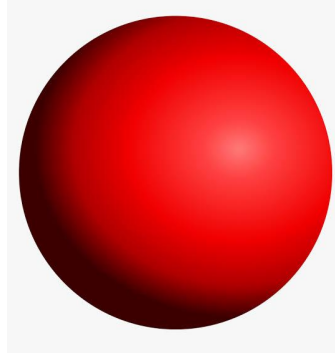


A ball – like shape is called a sphere. It has only one face. It has no edges and no corners.

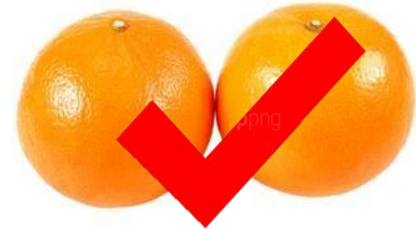
## Examples:



# SPHERE

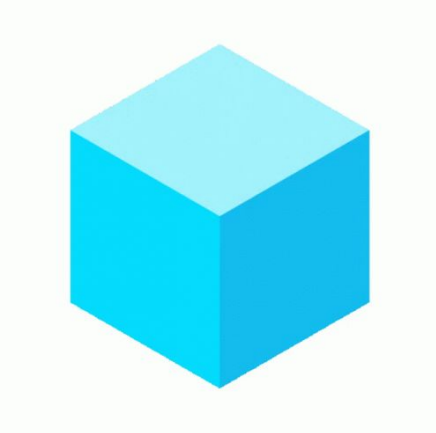


THE RELATED OBJECTS.



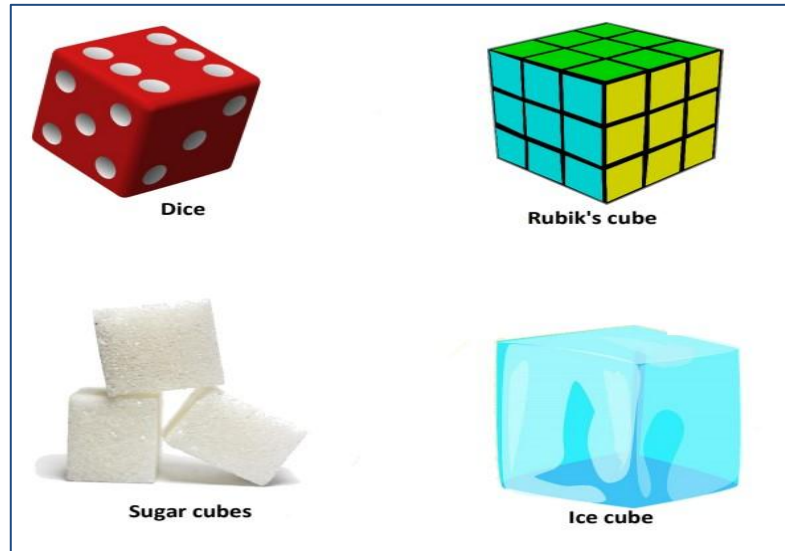
# SOLID SHAPES

## Cube

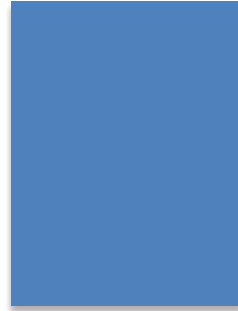


A dice – shaped object is called a cube. It has 6 equal faces. It has all sides equal

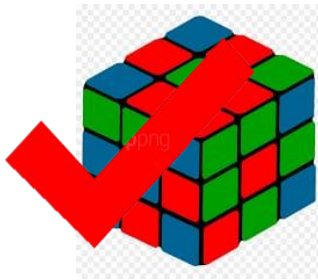
## Examples:





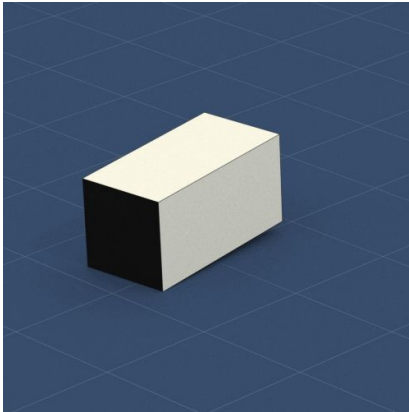


TIC  THE RELATED OBJECTS.



## SOLID SHAPES

### Cuboid

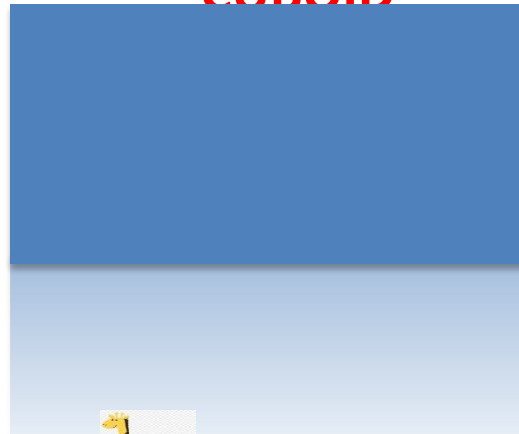


A box – shaped object is called a cuboid.  
It has 6 equal faces. It has its opposite  
sides equal.

### Examples:



## CUBOID

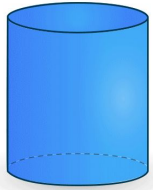


TIC  THE RELATED OBJECTS.

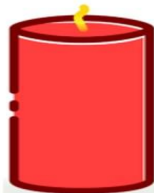


## SOLID SHAPES

### Cylinder



A candle – shaped object is called a cylinder. It has 3 faces.



Candle



Battery

### Examples:

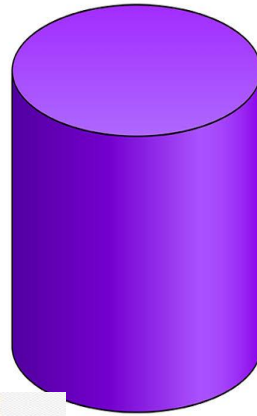


Soda Cane

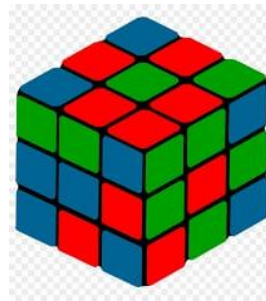


Roll of paper towels

# CYLINDER

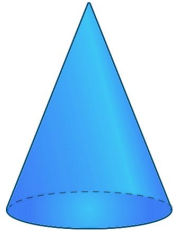


TIC THE RELATED OBJECTS.



## SOLID SHAPES

### Cone

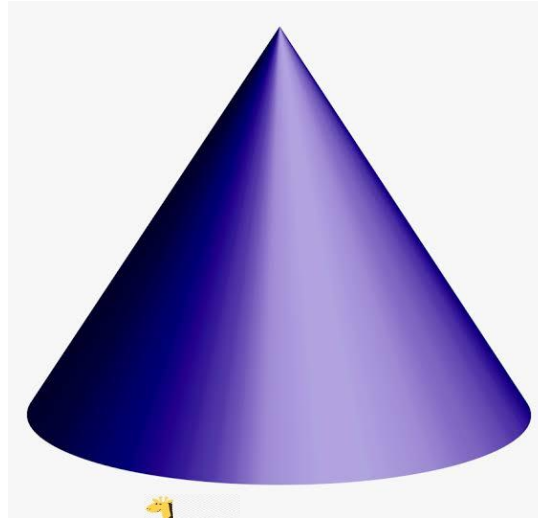


An ice-cream cone – shaped object is called a cone. It has 2 faces.

### Examples:



# CONE



TICI 

THE RELATED OBJECTS.



Exercise

1. Name the shapes of the following solids.



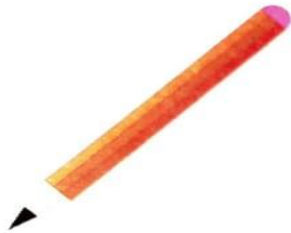
Sphere



Cuboid



Cube



Cylinder



Cone



Sphere



# TODAY'S CLASS WORK

2. Give two examples of each of the following solids.

A cube ..... **Gift box, Judo dice** .....


A sphere ..... **Ball, Orange** .....

A cone ..... **Party hat, traffic cone** .....

A cuboid ..... **Pencil box, Shoe box** .....

A cylinder ..... **Gas cylinder, battery** .....

# LEARNING OUTCOME :



The learners are now able to understand and identify different solid shapes.

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**