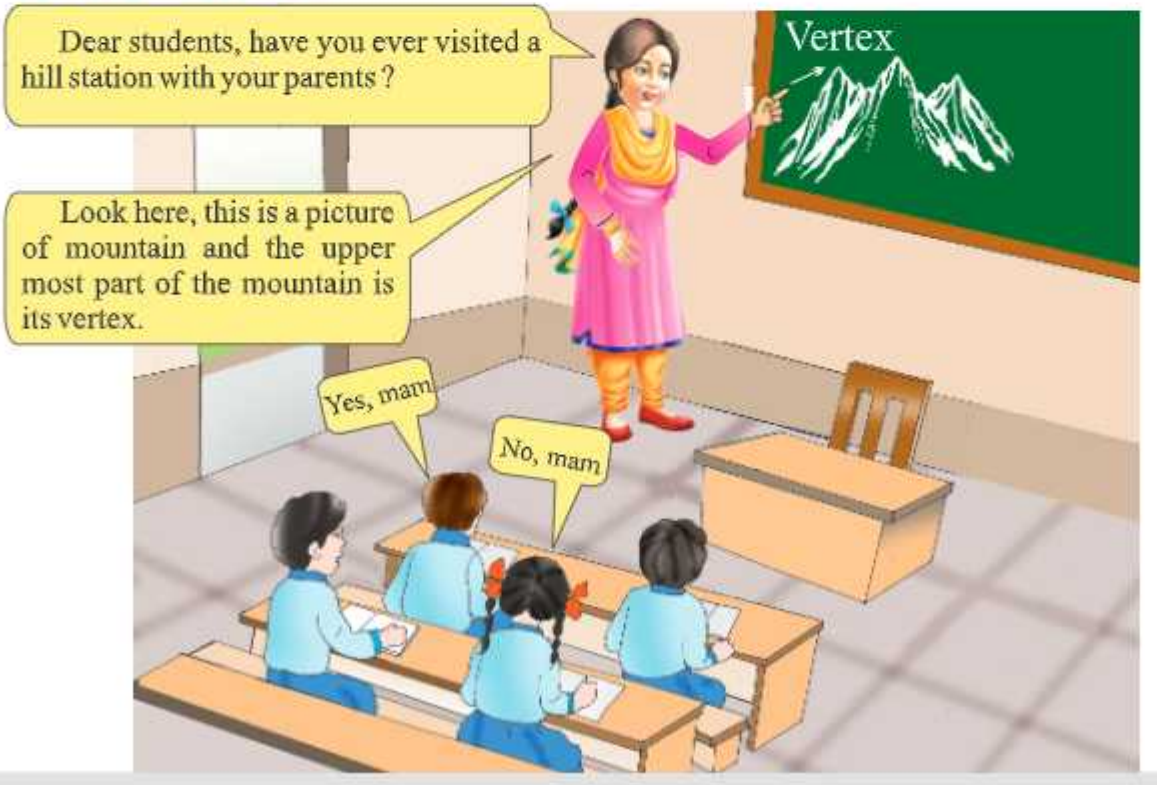
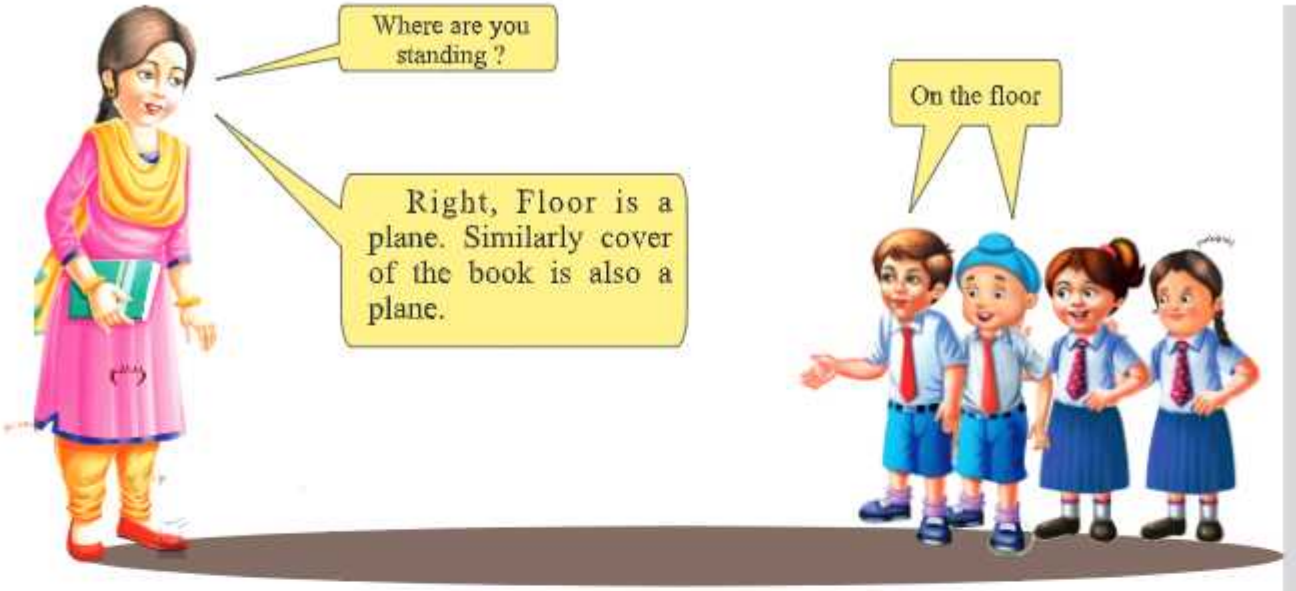
5 Shapes

Objectives

- To enable the students to understand the concept of vertex-surface above, below, in-out, far-near, before and after.
- To enable the students to identify faces, edges and vertices of three dimensional objects.
- To enable the students to recognize and differentiate between circular, triangular and quadrangular.
- To enable the students to recognize different shapes found in and around the classroom.
- To enable them to understand the equal parts/halves.

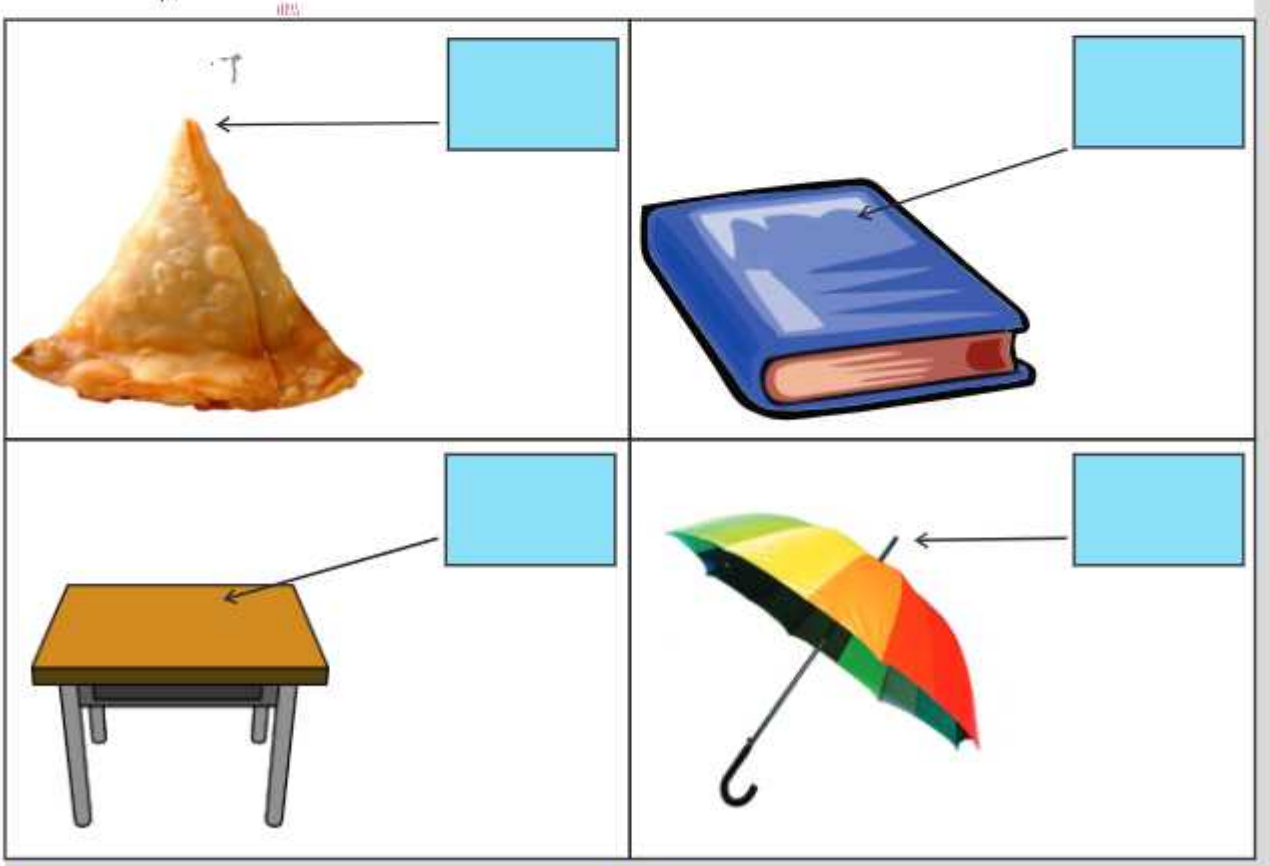
Vertex and Plane





Let's do

Mark tick (✓) for vertex and cross (×) for the surface of the following objects.



Activity

On-Under

Children, where are the books lying ? Where is the dustbin lying ?

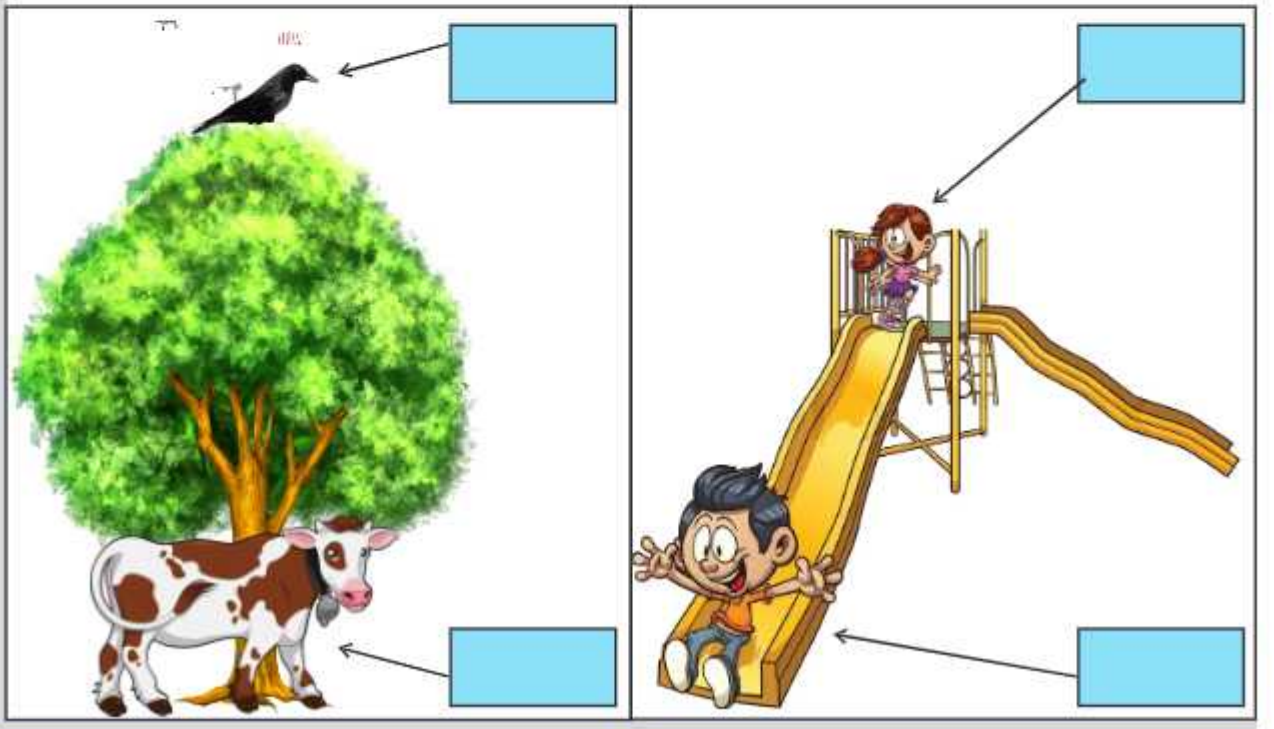
On the table

Under the table

Now, all the children will keep their water bottles under the desk and their bags on the table.

Let's do

Tick (√) on the things which are lying 'on' and put (×) on the things which are lying 'under'.



In-Out

Activity

Dear students, where is the book lying ?

On the table

Well students the book is on the table, but it is out of the bag also.

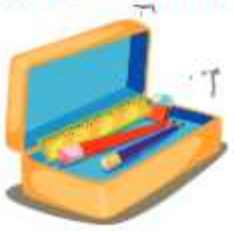
Students! where are the books lying now ?

In the bag

Good!

Let's do

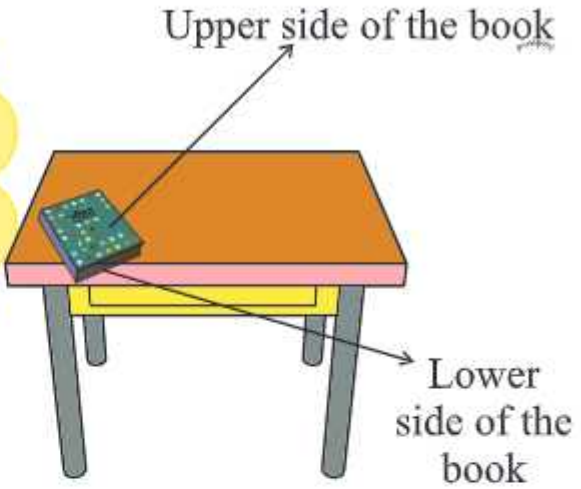
Put tick (✓) for the things which are lying 'in' and put (×) on the things which are lying 'out'



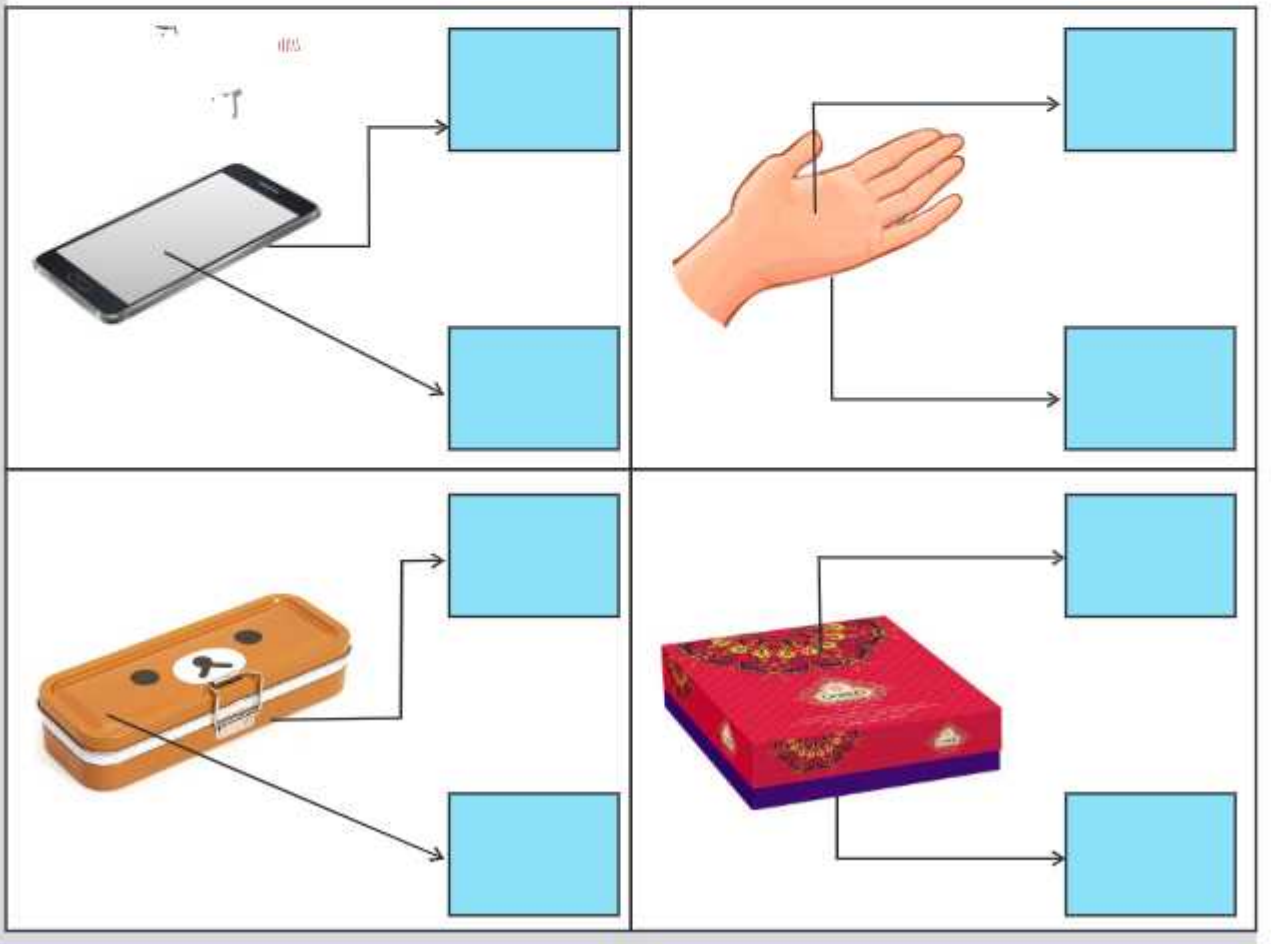
Activity

Upper-Lower

Dear students! look at the book lying on the table. The plane which you are seeing, it is the upper side of the book and the plane which you can not see is its lower side.



Put tick (✓) on above plane and (×) on the below plane.



Activity

After-Before

Who is standing before Aslam ?

Pinki

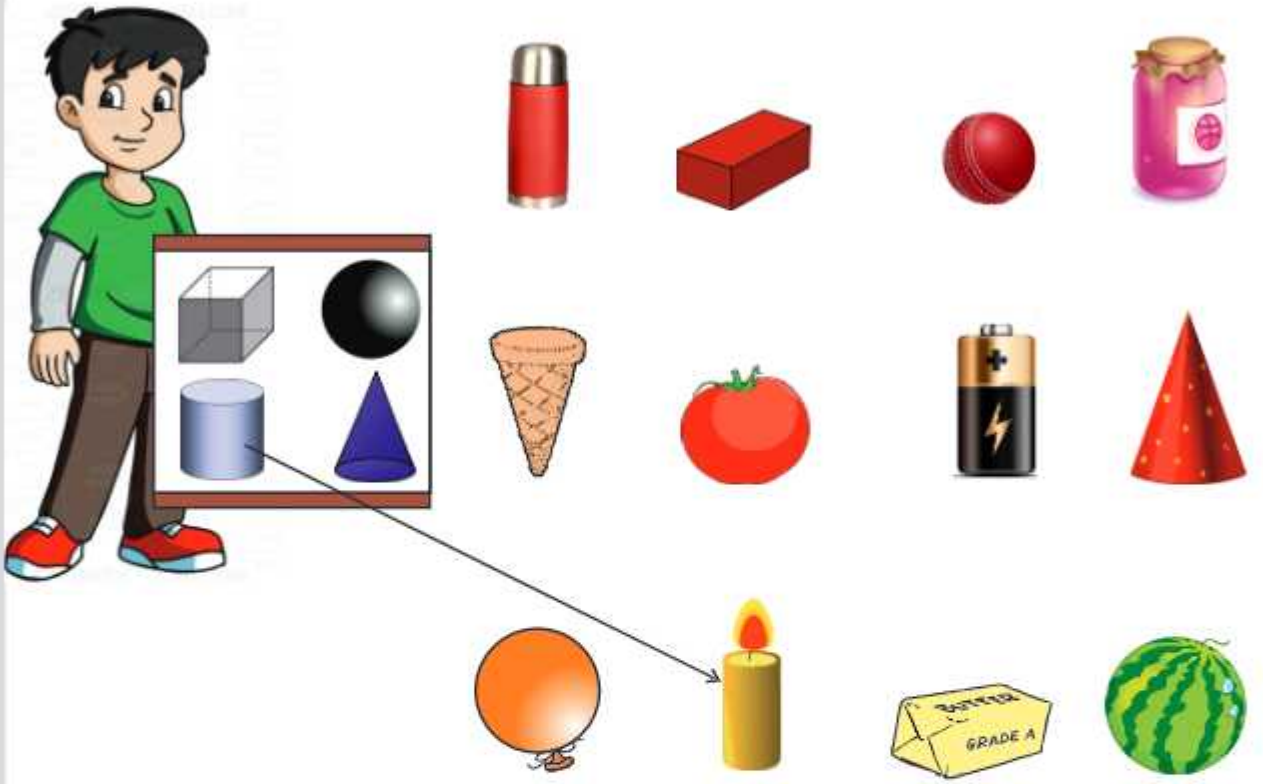
Who is standing after Kuljeet ?

Pinki

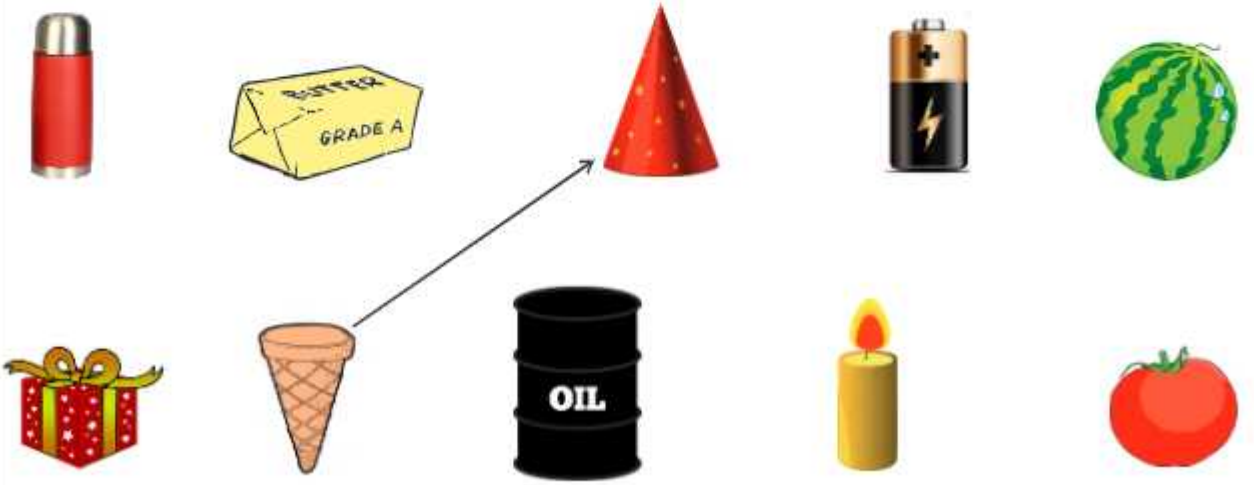
Put tick (✓) on the activity that happens before and (×) on the activity that happens after.

Separation

1. Match the similar shapes :



2. Make the pairs of shapes :



3. Encircle the objects which are black in colour.

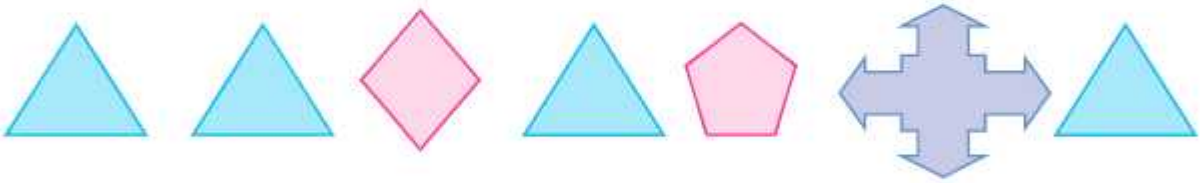


4. Encircle the objects which are black in colour.

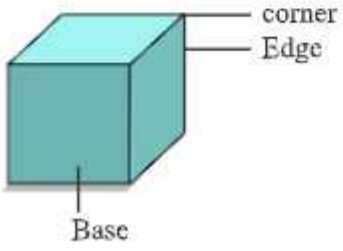


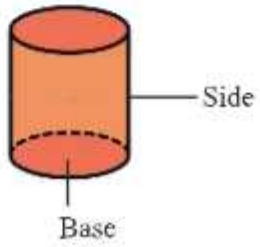
5. Encircle the leaves which look alike.

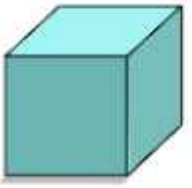
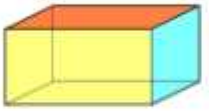
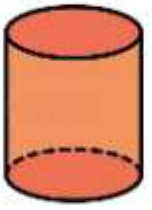
6. Encircle the shapes which look alike.



Faces (sides), edges and corners (vertices) of 3-D shapes





Name of solid shape	Solid Shape	Base	Edge	Corner/ Vertex
Cube		6	12	8
Cuboid		6	12	8
Cylinder		3	2	0
Cylinder		1	0	0

Identify the shapes of the following objects and write their names.






Let's learn

Rolling-Sliding

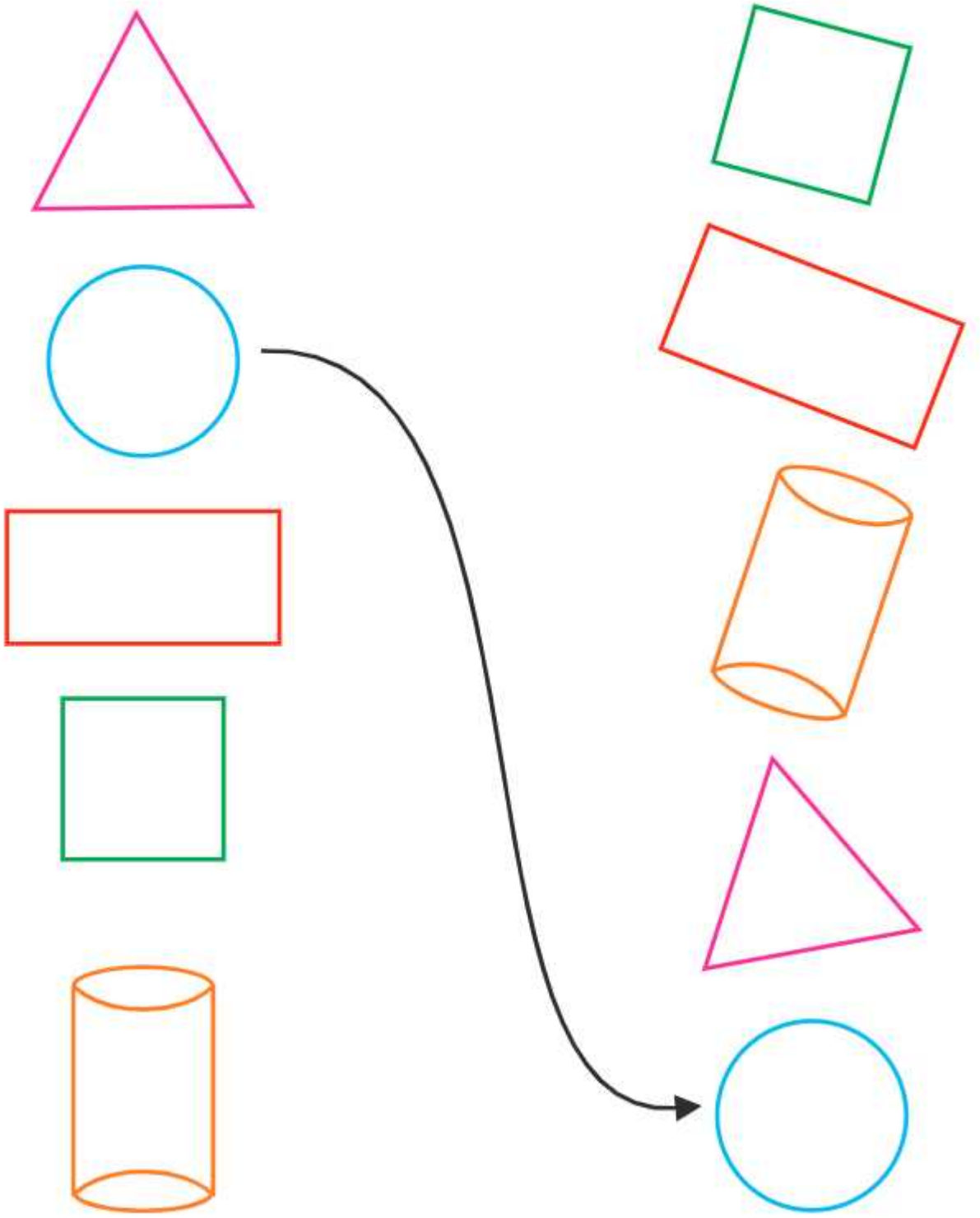
Dear students! you all know that the ball rolls and box of sweets slides

Let's do

Put tick (✓) on the objects which roll easily and (×) on the objects which slide easily.

Separation

Match the shapes of same size and colour them :



Let's learn

Students will learn to divide the shapes in two equal parts.

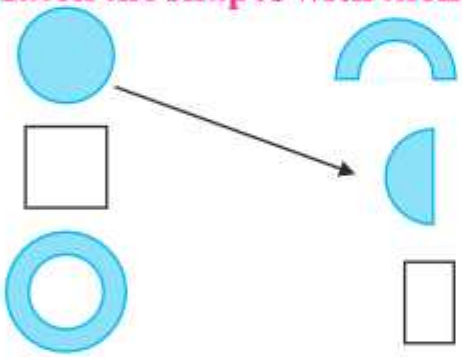
1. Give a rectangular sheet to every student.

2. Tell them to fold the paper from the centre and tear into two parts along the crease.

3. Tell them to place one part on another and observe if they are similar.

Let's do

1. Match the shapes with their halves. (as shown in the example)



2. Tick (✓) the shape, that can be divided into two equal parts.

3. Tick (✓) the correct half of a chapati.

Count the shapes in the pictures and colour them given below :

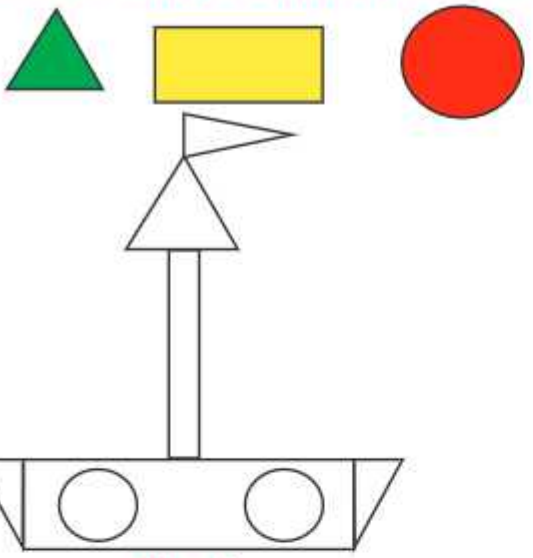


Fig.-1

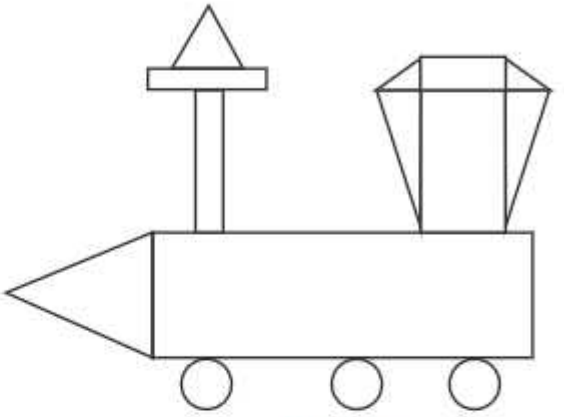


Fig.-2

	Fig.-1	Fig.-2
△		
▭		
○		

We have learnt

Shapes

- Vertex-Plane, On-Under In-Out, Upper-Lower Before-After
- Solid shapes around us
  - Separation
  - Classification
  - Rolling and sliding