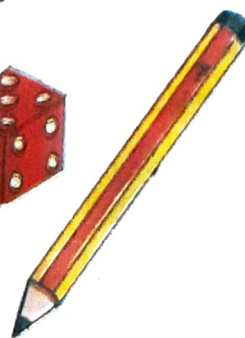
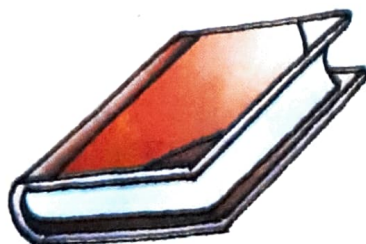
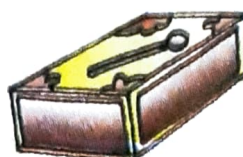




Shapes and Sizes



You must have seen different types of objects in your home and surroundings. Have you ever seen their shapes carefully? Let us see the shapes of some such objects –



Pick the objects from the picture and write –

Spherical

.....

Square shaped

.....

Cylindrical

.....

Conical

.....

What have you seen?

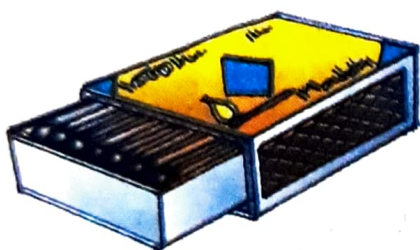
Ball and marbles are spherical in the above given objects. Matchbox and book look like rectangle from the top. It has a cuboidal shape. The length, breadth and height are different. Dice has all its sides equal. Therefore, its shape is cubical. Pencil and cricket stumps are cylindrical in shape. Ice cream cone and joker's cap are conical in shape.

Let us touch them and feel —

The part of an object which is visible or which can be touched is called surface of that object. On the basis of their shapes, the surfaces are called by different names. Some objects have only one type of surface. Some objects have two types of surfaces.

Types of surfaces —

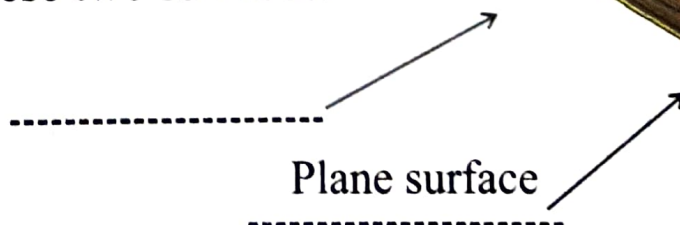
Look at this ball. The ball rolls. Its outer surface is curved. This is called curved surface. The ball has only one type of surface.



Look at the matchbox. It slides. It has plane surface from all sides. Its surface is called plane surface.

Look—

This is a log. It has two types of surfaces. Now you tell - which are these two surfaces?



➤ Ask the children to collect things of different shapes which are easily available in their surroundings and make a list. Separate these things according to their shapes and surfaces.



We have Learnt

- Those objects which are round in shape like ball are called **spherical**.
- Those objects which are in shape of matchbox are called **cuboidal**.
- Those objects which have equal length, width and height are called **cubical** like dice.
- Objects which are in shape of rolling pin are called **cylindrical**.
- Objects which are in shape of carrot, ice cream cone are called **conical**.

Exercise



1. Observe various objects in your surroundings and write –

- a. Curved surface objects
- b. Plane surface objects
- c. Curved and plane surface objects

2. Think and write –

- Spherical objects
- Cubical objects
- Cuboidal objects
- Cylindrical objects
- Conical objects
- (Cone shaped)

3. Draw the pictures of different shapes and fill colour in them.

How Much have you Learnt?

1. Saurabh has 4 story books. Each book has 15 stories. How many stories are there in all?

2. Multiply –

1 9	1 7	4 2	5 2	8 2
x 6	x 5	x 7	x 8	x 1
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

3. There are 25 plums in a plate. 5 children ate equal number of plums. How many plums did each child eat?

4. 80 marbles were distributed equally among 4 boys. How many marbles did each boy get?

5. $12 \times 6 = \dots\dots\dots$, $10 \times 9 = \dots\dots\dots$, $11 \times 5 = \dots\dots\dots$

6. Complete –

3) 27 (.....) 36 (9 , 8) 6.....(8

- 7- Pick out spherical, cuboidal, cylindrical and conical objects separately from the given objects and write-

Ball, pencil, matchbox, marble, funnel, cylinder, rolling pin, brick, soap-bar, drum, tent, blowing pipe, table, mirror, book, pen, flute.

