

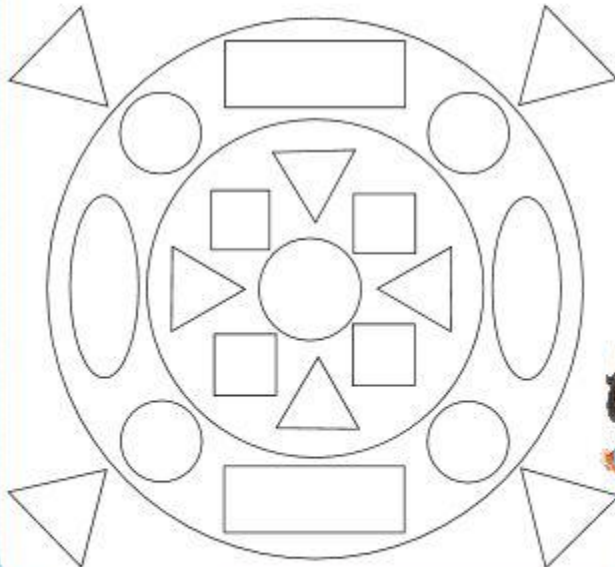
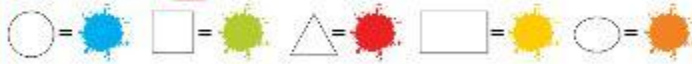
4

SHAPES AND PATTERNS



Warm Up

Look at the colour code and click to colour the shapes in the picture below. **ANS**



DIFFERENT SHAPES



Circle

I do not have a side or a corner.

Square
I have 4 equal sides and 4 corners.



Rectangle
I have 4 sides and 4 corners.

Triangle
I have 3 sides and 3 corners.



Oval
I am not a circle. I do not have a side or a corner.

SAME SIZE

A. Click to join the shapes of the same size. ANS


















1. 2. 3.

SAME SHAPE AND SIZE

B. Help Aman reach the cup. Count and type the number of the same shapes he finds on his way. ANS

Use arrow keys to move.
Click here to start.

11 C. Click to colour the shape each object is closest to. **ANS**

- | | | | | | |
|---------------|---|---|---|---|---|
| 1. idli |  |  |  |  |  |
| 2. dice |  |  |  |  | |
| 3. pencil box |  |  |  |  | |
| 4. samosa |  |  |  |  | |

STRAIGHT LINES AND CURVED LINES

Work with your partner. Hold one end of a long piece of string. Your friend will hold the other end. Stretch the string to make a straight line.



Now, one of you stands while the other sits, stretching the string. You will make a straight line again.

Now hold the string loose. You will get a curved line.



I Can Do It!

Click to trace over the lines. **ANS**

- | | | | | | |
|--|--|--|--|--|--|
| 1.  | 2.  | 3.  | 4.  | 5.  | 6.  |
|--|--|--|--|--|--|

11 D. Click to colour the boxes red with letters made of straight lines. Click to colour the boxes green with letters made of curved lines. Click to colour the boxes yellow with letters made of both straight and curved lines. **ANS**

- | | | | | | | | | | | | | |
|----|---|---|---|--|---|---|---|---|---|---|---|---|
| 1. |  I |  N |  D |  I |  A |  | | | | | | |
| 2. |  B |  U |  T |  T |  E |  R |  F |  L |  Y |  | | |
| 3. |  G |  O |  O |  D |  M |  O |  R |  N |  I |  N |  G |  |

SOLID SHAPES



This is a cube.



A dice is shaped like a cube.



This is a cuboid.



A pencil box is shaped like a cuboid.



This is a sphere.



A football is shaped like a sphere.



This is a cylinder.



A gas cylinder is shaped like a cylinder.

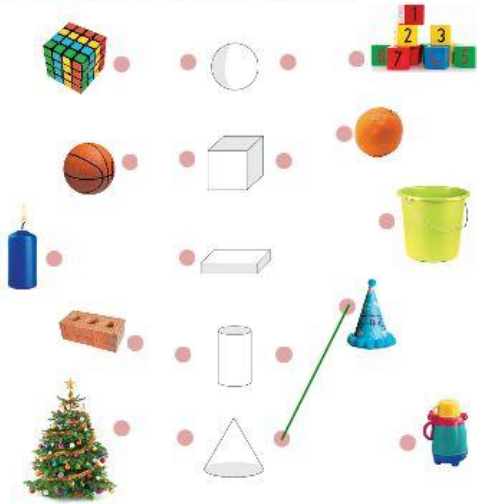


This is a cone.



An ice cream cone is shaped like a cone.

E. Click to join the objects to the shapes. **ANS**



F. Type how many of each shape do you see in the pictures above? **ANS**



ROLLING AND SLIDING



It is fun to roll a ball.



It is fun to slide down.

G. Type S for the objects that can slide and R for the objects that can roll. **ANS**



PATTERNS

Diya has made a necklace of beads.



The beads in the necklace form a pattern.

H. Click and place the colour to repeat the pattern. **ANS**





I Can Do It!

1. Click and place the next four shapes in the pattern. **ANS**

2. Click and place the next four shapes in the pattern. **ANS**

I. Click the shape that will come next in the pattern. **ANS**

1.

2.

J. Click and place the missing shapes in the pattern. **ANS**

1.

2.

3.

Look for patterns around you.



Maths Lab Activity

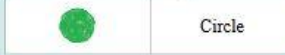
Aim: To print and name shapes and to make a pattern

You will need: Sheets of paper, 4 wooden blocks of different shapes, poster colours mixed with water and placed in bowls



Steps to print and name shapes

- Form groups of four students each. Place all the material on the teacher's table.
- The first group walks to the teacher's table. They pick a block each, dip it in paint and make an imprint on a sheet of paper.
- Each one writes the name of the shape next to the imprint.



The other groups take turns to repeat steps 2 and 3.

Steps to create a pattern

- Form pairs of two students each. Place all the material on the teacher's table.
- Each pair picks up two blocks, dips them in different colours and makes a pattern on a sheet of paper.

The other groups take turns to repeat step 2.



A Value for Me

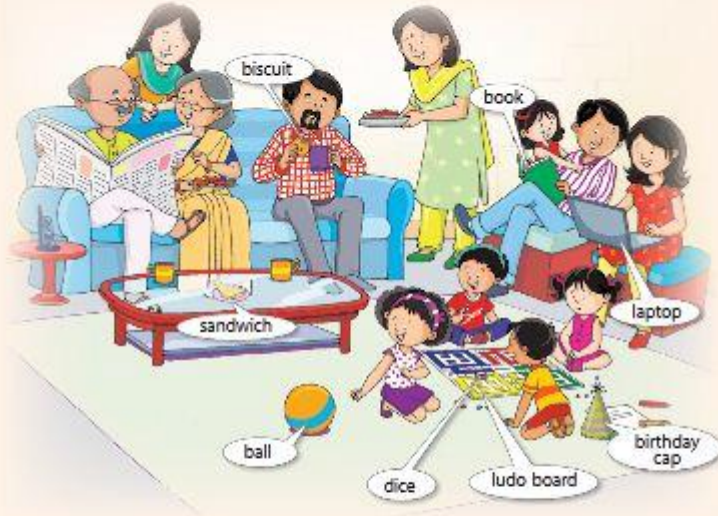
- We should not waste paper. Cut out different shapes from old greeting cards. Paste photographs of a member of your family on each card. **ANS**





Worksheet

10 A. Find objects of different shapes and type their names below. **ANS**



Ball

10 B. Follow the pattern and click to colour kites D and E. **ANS**

