



We'll cover the following key points:

- → Straight and Curved Lines
- → Types of Straight Lines
- → Figures
- → Solid Figures Around Us
- → Different Solid Shapes
- → Faces, Edges and Corners

- → Patterns
- → Geometric Patterns
- → Number Patterns



Hi, I'm EeeBee

Do you Remember fundamental concept in previous class: In class 1st we learnt

- → Shape around Us
- → Patterns



Still curious?
Talk to me by scanning the QR code.

Learning Outcomes

By the end of this chapter, students will be able to:

- Identify and draw straight lines and curved lines.
- Recognize and name different types of straight lines (e.g., horizontal, vertical, diagonal).
- Identify and name 2D shapes like squares, circles, triangles, and rectangles.
- Recognize solid figures around us, like cubes, spheres, and cones.
- Identify different solid shapes and their properties (e.g., cube, cylinder, pyramid).
- Understand and describe the faces, edges, and corners of 3D shapes.
- Recognize and create simple patterns using shapes, colors, or objects.
- Identify and extend number patterns (e.g., 2, 4, 6, 8 or 5, 10, 15, 20).



Math-2











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Identify the shapes of the things in your kitchen.



Match the objects given below with the different shapes.

- 1. Plates
- 2. Jar
- 3. Roller pin
- 4. Cupboard
- 5. Lunch box
- 6. Saucepan without handle

- (a) Cylinder
- (b) Cuboid
- (c) Circle
- (d) Rectangle













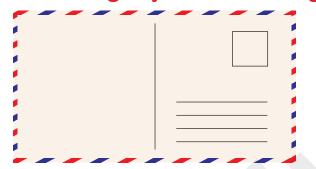




Have you ever observed different road? You can see that road in each path is not always straight. They can be curved too.



Straight Road Curved Road The following objects have straight or curved lines.



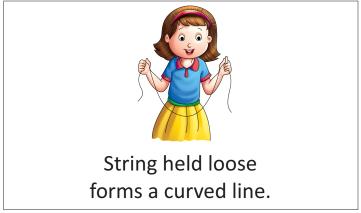
Edges of the Postcard are straight lines.



Edge of this frock is a curved line.











Math-2

You need a ruler to draw a straight line.









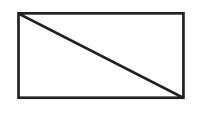


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Types of Straight Lines

Horizontal	Vertical	Slant

Identify the horizontal, vertical and slanting lines in these shapes.







Try it

Take some matchsticks. Use them to write Today's date as shown.



Plane Figures

You know each object is named differently according to its shape.





Some shapes are made with straight lines and some with curved lines.











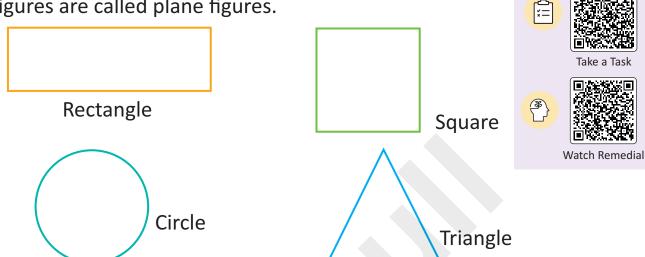






Squares, rectangles and triangles are made of straight lines. Circles and ovals are made of curved lines.

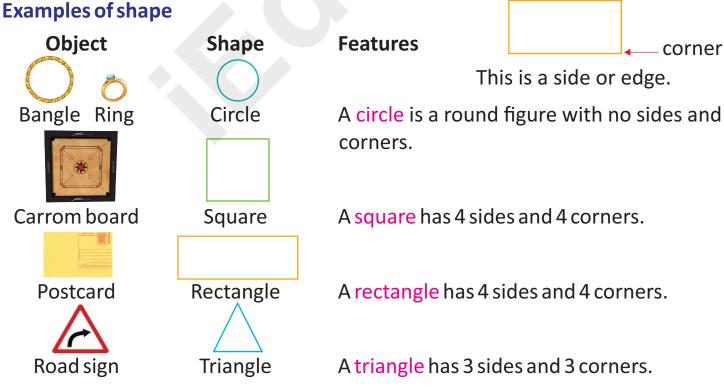
These figures are called plane figures.



Sides and Corners

The sides are the straight lines that form a plane shape. Sides are also known as edges.

The points where two sides meet are called corners.





Math-2









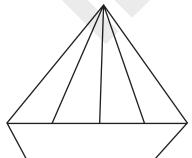




1. How many corners and sides do these flat shapes have?

	Shapes	Corners	Sides
(a)		4	4
(b)			
(c)			
(d)			

2. How many of each do you see in the picture?



- (a) Horizontal lines _____
- (b) Vertical lines _____
- (c) Slanting lines _____















Solid Figures Around Us





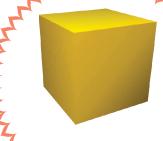






Let me show you some solid shapes that we all see around us.

I will first tell you the names of some of these solid shapes.



Cube



Sphere



Cuboid



Cone



Cylinder













Different Solid Shapes



Cuboid



Cuboid



Brick



Match Box

Cube



Cube



Rubic Cube



Dice

Cone



Cone



Cracker



Softy

Cylinder



Cylinder



Can



Candle

Sphere



Sphere



Ball



Globe















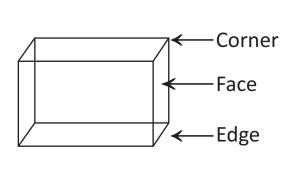
Faces, Edges and Corners

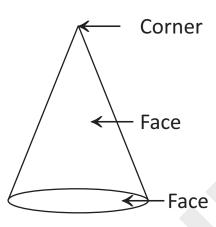


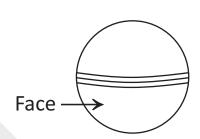












Follow this table:

Shape	Faces	Edges	Corners
Cube	6	12	8
Cuboid	6	12	8
Sphere	1	0	0
Cone	2	1	1
Cylinder	3	2	0

Exercise 9.2

1. Fill in the blanks.

- (a) How many faces does a cuboid have?
- (b) How many faces does a cube have?
- (c) How many edges does a cube have?
- (d) How many sides does a rectangle have?
- (e) How many sides does a triangle have?









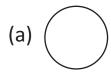




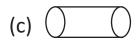
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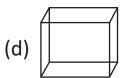
2. Match the columns.

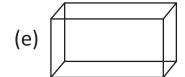
Column A







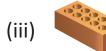




Column B











Circle the numbers and letters made up straight lines and cross out the ones made up of curved lines.



Critical Thinking



















Patterns >



There are patterns all around us. A pattern is made when shapes and numbers are repeated or put in a sequence.

Patterns help us to understand different things in life. Maths is all about patterns.

We see patterns on cloth, tiles, gates, window grills in different types of shapes and designs.

Tiles pattern.

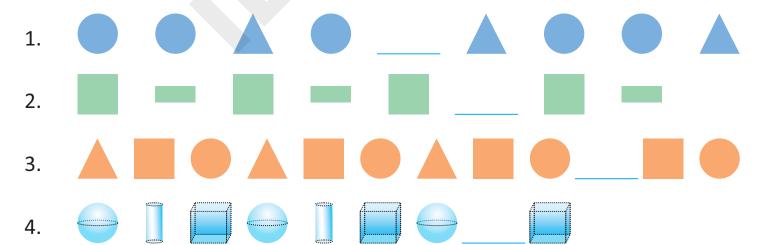


Patterns with thumb prints.





Look at the patterns. Draw the missing figure.















Number Patterns

See the numbers given below:

5, 10, 15, 20, 25, 30,

What do you observe?

This is a increasing pattern.

5 is added to each number to got the next number.

Let us take another examples

32, 30, 28, 26, 24, 22,

This is a decreasing pattern.

2 is subtracted to each number to get the next number.



Exercise 9.3

1. What comes next in the sequence?







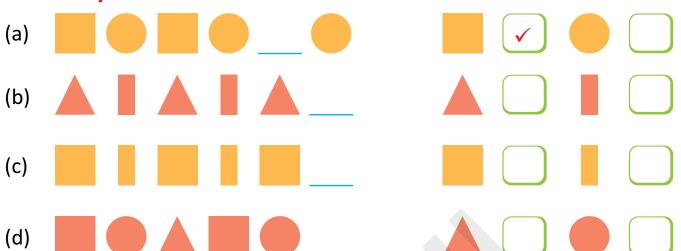








Tick (\checkmark) the shape that will complete the pattern. One has been 2. done for you.



Tick (✓) the correct boxes. One has been done for you.



Figure	Sphere	Cone	Cuboid	Cube
1.	/			
2.				
3.				
4.				
5.				
6.				



















1. Tick (\checkmark) the correct answer.

(a) A cube has	faces and	corners.	
(i) 8,9	(ii) 6,8	(iii) 6,7	
(b) How many	faces does a cuboid have?		
(i) 10	(ii) 11	(iii) 6	
(c) How many	edges does a cone have?		
(i) 1	(ii) 2	(iii) 3	
(d) How many	y corners does a sphere have?		
(i) O	(ii) 1	(iii) 2	

2. Fill in the blanks.

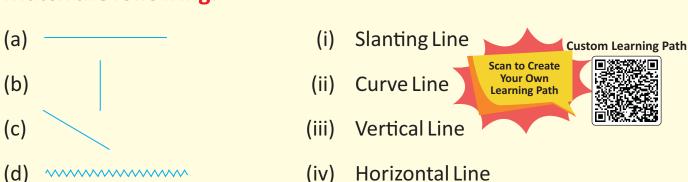
 (a) A square has ______ corners and ______ sides.

 (b) A rectangle has ______ corners and ______ sides.

 (c) A triangle has ______ corners and ______ sides.

 (d) A circle has ______ corners and ______ sides

3. Match the following:

















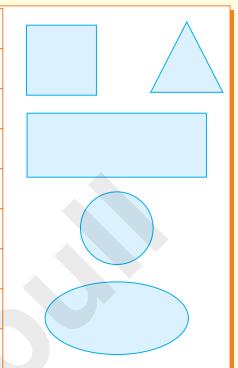






See the pictures and search the shapes name in the grid.

0	V	Α	L	М	R	Р	Α
С	I	R	С	L	Е	I	Р
N	G	Ο	N	D	С	А	С
Р	Р	I	Р	R	Т	I	Н
S	Α	W	Α	Α	Α	R	0
M	Н	Н	U	G	N	Р	V
Т	R	I	Α	N	G	L	Е
С	I	Н	N	0	L	Α	L
S	Q	U	Α	R	Ε	R	T





Mental Math



Critical Thinking

Complete the series:

- (a) 1, 3, 5, 7, _____,
- (b) 5, 10, 15, 20, _____,
- (c) 10, 30, 50, 70, _____,
- (d) 100, 150, 200, 250, _____, ____,



烤 Fun Time Activity

Take some matchsticks, Use them to write today's date.

How many lines of each kind did you make?













