



Class - II

2. Shapes and Patterns

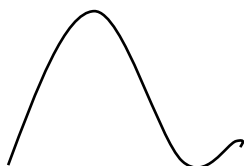
**Straight Line :**

A Line that extends to both sides till infinity and has no curves is called a straight line.



**Curved Line:**

A Curved line is not straight and it is bent.



**Plane Shape:**

A closed two - dimensional (2D) or flat figures.

Example: Square, Rectangle, Triangle and circle.

Plane Shapes	Sides	Corners
Square	4	4
Rectangle	4	4
Triangle	3	3
Circle	0	0

**Solid shapes:**

Solid shapes are 3- Dimensional (3D) Figures.

Example

Cube, cuboid, sphere, cylinder and cone.

- i) The surface of a solid shape is called its face.
- ii) When two faces of a solid shape meet, they form an edge.
- iii) When three edges meet, they form a corner (or vertex)

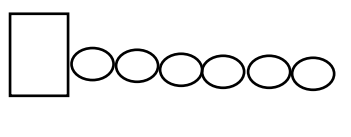
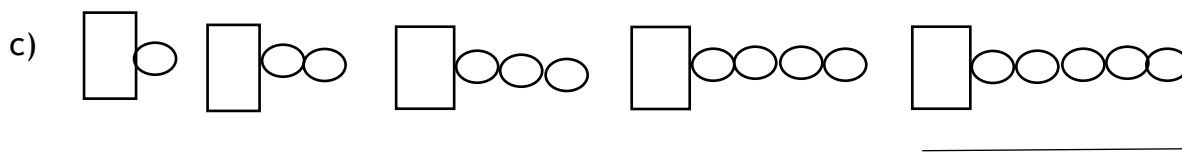
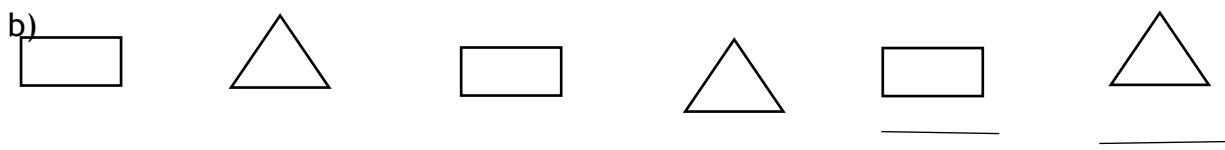
Shapes	Faces	Edges	Vertices/Corners
Cube	6	12	8
Cuboid	6	12	8
Cone	2	1	1
Cylinder	3	2	0
Sphere	1	0	0

### Patterns

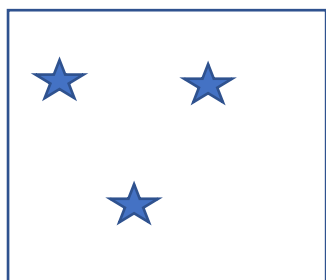
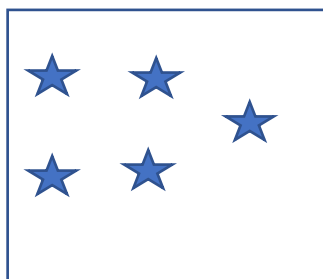
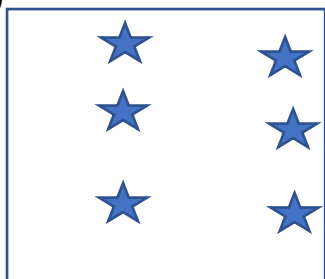
- i) Repeating shapes make a pattern.
- ii) A pattern can be formed with shapes and numbers.

I. Complete the patterns:

a) 5,10,15,20,25,30,



d)



## II. Mind Map

