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Lesson no 13 – Shapes and Patterns

Pre activity:- Solve pg no 158 and 159

I 13.1 – 2 Dimensional (2D) Shapes or Flat shapes.

- Shapes are made up with straight and curved lines.

- Flat Shapes and their properties: -

1. Square – It has 4 sides and 4 corners.

All sides are equal.

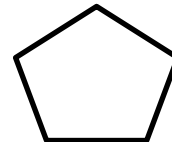


2. Rectangle – It has 2 long and 2 short sides.

The opposite sides are equal.



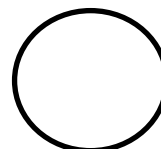
3. Pentagon – It has 5 sides and 5 corners.



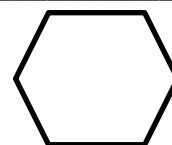
4. Triangle – It has 3 sides and 3 corners.



5. Circle – It has 0 sides and 0 corners.



6. Hexagon – It has 6 sides and corners.



II 13.2 – 3-Dimensional (3D) or Solid shapes.

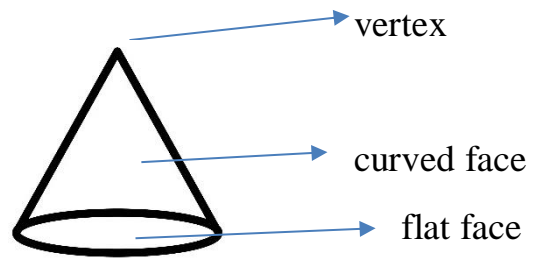
- Solid Shapes and their properties:-

1. Cone – A cone has 1 flat

1 curved face,

1 edge

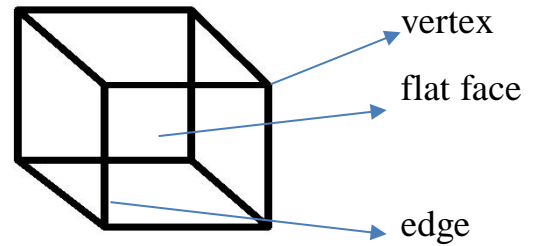
1 vertex.



2. Cube – A cube has 6 flat faces.

12 edges

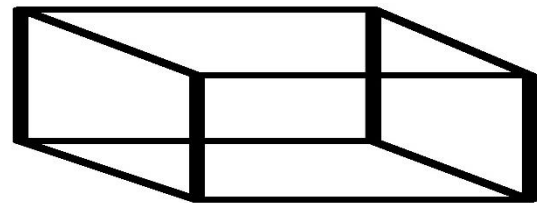
8 vertices



3. Cuboid - A cuboid has 6 flat faces

12 edges

8 vertices

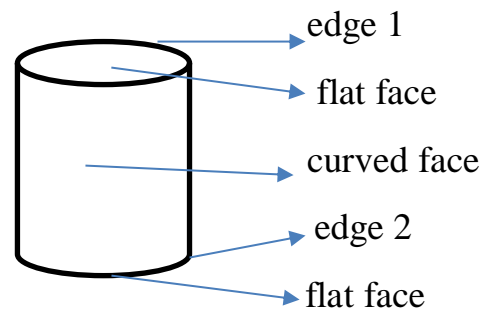


4. Cylinder – A cylinder has 2 flat faces

1 curved face

2 edges

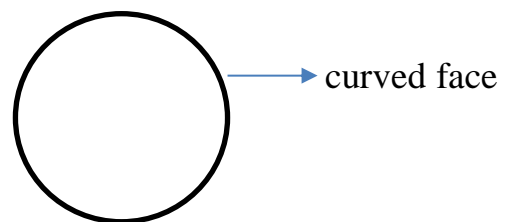
0 vertex



5. Sphere – A sphere has 1 curved face

0 edges

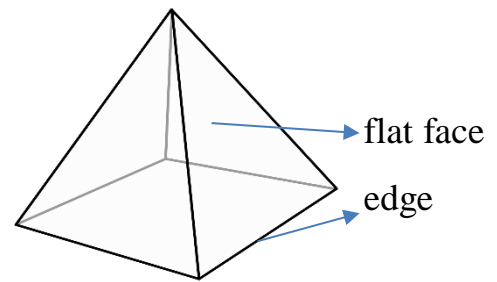
0 vertex



6. Square pyramid – A square pyramid has 5 flat faces

5 corners

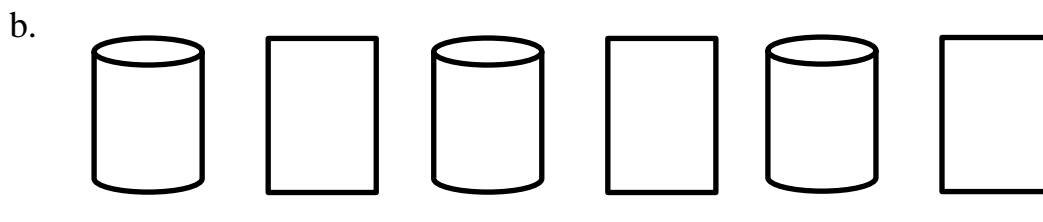
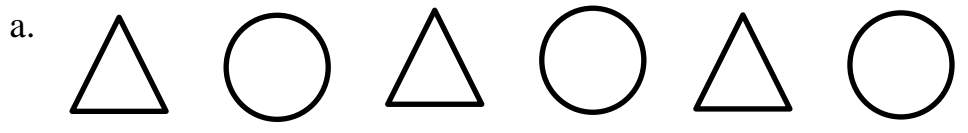
8 edges



- Objects that have a curved surface can be rolled.
- Objects with a flat surface will slide.

III. 13.3 Decoding patterns

Q. Complete the following patterns.



IV 13.4 Number patterns

Q. Complete the following patterns.

a. $4 + 4 + 4 + 4 + 4 = 20$

$4 + 4 + 4 + 4 = 16$

$4 + 4 + 4 = 12$

$4 + 4 = 8$

$4 = 4$

b. $1 + 5$

$1 + 1 + 4$

$1 + 1 + 1 + 3$

$1 + 1 + 1 + 1 + 2$

$1 + 1 + 1 + 1 + 1 + 1$

c. 60, 50, 40, 30, 20, 10

d. 5, 10, 15, 20, 25, 30, 35

Post activity – Paste 5 pictures representing the solid and flat shapes.

Subject Tr's. Sign

HOD's Sign

Co-ordinator's Sign

Principal's Sign