

TENDER HEART HIGH SCHOOL, SEC-33B, Chd.

Class : III

Subject : Mathematics

Topic : Geometry

Date : 30.09.2024

Good Morning students

This lesson is for class 3,
Topic - Geometry from your book.
"Be A Maths star" and is being submitted
to you on 30.09.2024

Ch - Geometry

Key concepts - Point, line, ray, line segment,
plane and solid shapes.

Point

- i) Mark a dot on your notebook with a sharp pencil. This is called a point.
- ii) A point is named with a capital letter.
- iii) Its symbol is a dot ($\cdot$). $\dot{A}$
Point A

Line

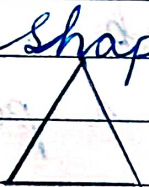
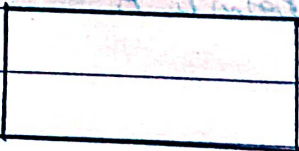
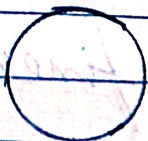
- i) A line does not have a fixed length.
- ii) A line named AB is written as $\overleftrightarrow{AB}$
and read as 'line AB'.

Ray

- i) A ray has a fixed starting point and extends endlessly in the other direction.
- ii) PQ is a ray. It is written as $\overrightarrow{PQ}$ and read as 'ray PQ '.

Line segment

- i) A part of a line that has two end points is called a line segment.
- ii) Line segment CD is written as $\overline{CD}$ and read as 'line segment CD '.

Shape	Name	No. of sides	No. of corners
	Triangle	3	3
	Square	4	4
	Rectangle	4	4
	Circle	0	0

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

A. Fill in the blanks

1. A triangle has 3 sides and 3 corners.
2. A square has four sides and four corners.
3. A circle has no side.

B. Tick (✓) the shape with more sides

- a) circle b) triangle c) square

C. Cross (x) the shape with less sides

- a) x circle b) triangle c) square

D. Underline the shape with more corners

- a) circle b) triangle c) square

E Fill in the blanks.

1. A cube has 6 faces.
2. A cuboid has 8 corners.
3. A cylinder has 3 faces and no corners.
4. A sphere has 1 faces and no corners.
5. A cone has 2 faces.

F Tick (✓) the shape with more edges.

- a) ☒ cuboid b) ☐ cone c) ☐ sphere

G Cross (x) the shape with less edges

- a) ☐ cuboid b) ☐ cone c) ☒ sphere

H Underline the shape with more corners

- a) cube b) ☐ cone c) ☐ sphere

I Tick (✓) the shape with less corners

- a) ☒ cone b) ☐ cuboid c) ☐ cylinder

Home assignment - Complete the work in your notebook