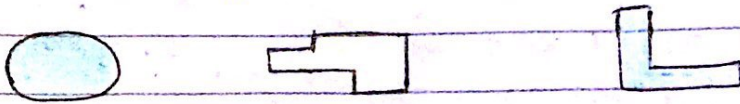


Bhagirathi Bal Shiksha Sadan Sec. School
Class - IV, Sub. - Maths, Chapter 11.1 (Geometry)

Closed curves :-

The curves which begin and end at the same point are called closed curves.



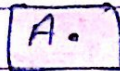
Open curves :-

The curves that do not begin and end at the same point are called open curves.

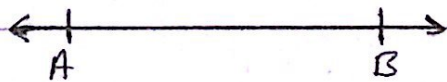


Point :-

A point is the smallest shape it has no length and width.



Line :- A line is the straight line with no end points.

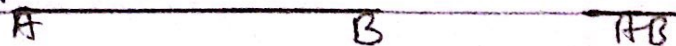


Ray :- A ray is a line segment that extends infinitely in one direction. \overrightarrow{AB} is a ray. It extends infinitely in one direction. A ray does not have any definite length.



Line segment :-

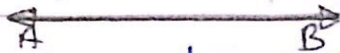
A line segment is a part of a line with two end points. We can measure the lengths of the line segments. \overline{AB} is the line segment.



Example: Measure the line segments.

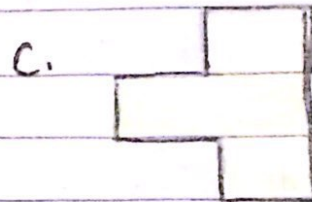
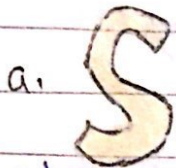


Solution: The line segment measures 5 cm.



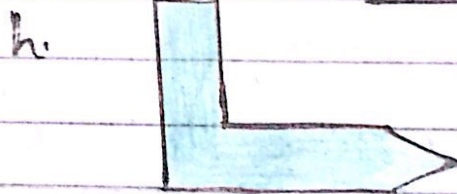
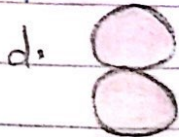
The line segment measures 4.2 cm.

Write if the given figures is open or closed?



Open curve

Closed curve



Fill in the blanks.

a. A simple closed curve made in line segments alone is called a quadrilateral.

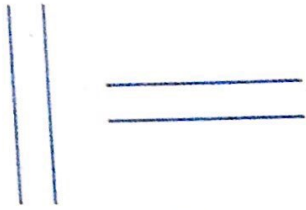
b. A quadrilateral has four sides and four vertices.

c. A polygon formed by three line segments is called triangle.

Types of lines

There are many types of lines. These are:

Parallel Lines



Horizontal Line



Vertical Line



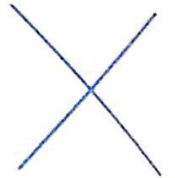
Slant Line



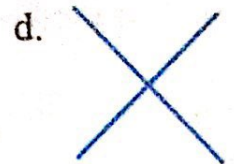
Curved Line



Intersecting Lines



1. Name the following lines.



2. Draw the line segments of the following.

a. Line segment $PQ = 3.2$ cm

b. Line segment $XY = 5.6$ cm

a. Line segment $AB = 7.3$ cm

3. Draw the line segments of the following.

a. 5.4 cm

b. 1.8 cm

c. 4.9 cm

d. 8.2 cm

e. 2.8 cm

f. 4.3 cm

g. 7.5 cm

h. 3.7 cm