

ST. ANDREWS SCOTS SR. SEC. SCHOOL
9th Avenue, I.P. Extension, Patparganj, Delhi – 92
Session: 2024-25

Class: III

Subject : Mathematics

Topic: Unit 8

Work to be done:

Warm up. Define point, line segment, line, Ray, Curved line.

Ex-8 A Q1, Q3(a,c), Q5, Q6 in copy.

Measuring and drawing line segment

Ex 8 B Q1 in book. Q2 (a. d) in copy.

Open and Closed figures.

Ex- 8C Q1 in book.

Geometrical shapes. Shapes and its properties.

Ex 8 D Q1, 2,3 in book. Q 4, 5,6 hw

Solids

Ex 8 E – Q1, 2, 3, 4 in book

Symmetry

Ex 8F Q1, 2 in book.

Exercise 8A

1. M, N and S. 2. Points L, R, S, T and U.
3. (a) \overline{PQ} , \overline{PR} and \overline{QR} (b) \overline{AB} , \overline{BC} , \overline{CD} and \overline{DA}
(c) \overline{FG} , \overline{GH} , \overline{HI} , \overline{IJ} , \overline{JK} , \overline{KF}
4. Only one line segment can be drawn passing through two points.
5. (a) \overleftrightarrow{AD} and \overleftrightarrow{BC} (b) \overleftrightarrow{AB} and \overleftrightarrow{DC} (c) \overleftrightarrow{AC} and \overleftrightarrow{BD}
6. (a) A line segment has two end points.
(b) A line segment has definite length.
(c) A (.) dot represents a point.
(d) A point shows a definite location or position.
(e) A ray has a starting point but no end point.
(f) A line segment when extended in both directions endlessly gives a line.






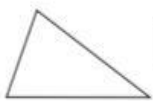
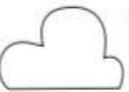

Exercise 8B

1. (a)  (b) 
(c) 




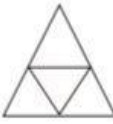
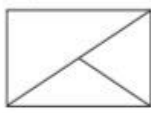


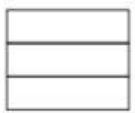



2. (a) $A \xrightarrow{6 \text{ cm}} B$ (b) $P \xrightarrow{4 \text{ cm}} Q$
 (c) $X \xrightarrow{8 \text{ cm}} Y$ (d) $C \xrightarrow{11 \text{ cm}} D$

Exercise 8C

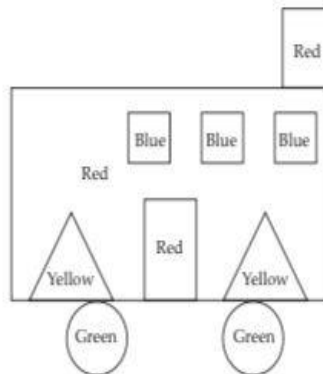
1. (a)  O (b)  O (c)  C
 (d)  C (e)  O (f)  C
 (g)  C (h)  C

Exercise 8D

1. (a)  Triangle (b)  Rectangle (c)  Circle
2. (a) Top surface of a table rectangle. (Other answers are also possible.)
 (b) A blackboard rectangle. (c) The face of a dice square.
 (d) A bangle circle.
3. (a) The opposite sides of a rectangle are equal.
 (b) A circle has no sides and no vertex.
 (c) A triangle has three sides and three corners.
 (d) All the sides of a square are equal.
 (e) A rectangle has four sides and four corners.
4. Count the number of triangles in each of the following:
- (a)  5 (b)  4 (c)  6
5. Find the number of rectangles in each of the following:
- (a)  3 (b)  6 (c)  9



6. Colour as per indicated

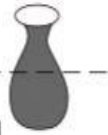



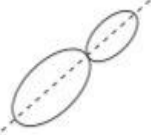


Square—Blue Circle—Green Rectangle—Red Triangle—Yellow

Exercise 8E

1. (a) curved (b) curved (c) plane
2. (a) curved (b) curved, plane (c) curved, plane
 (d) curved, six (e) cube (f) cylinder
 (g) cuboid (h) sphere
3. (a) cylinder (b) sphere (c) cone (d) cylinder (e) cone
4. (a) cylinder (b) cube (c) cuboid
 (d) sphere (e) cone (f) cylinder

Exercise 8F

1. (a)  No
- (b)  Yes
- (c)  Yes
2. (a) 
- (b) 
- (c) 