

(Learning Time :-3 hours & 20 minutes)

Circles

23.1 The axes of symmetry of a circle.

- Recall what you learned about circles in Grade 6 & 7.
- Complete activity 1 by studying the pages 88 & 89 and paste the diagram in your note book.
- A line which divides a circle into two equal parts is an axis of symmetry of that circle.
- A circle has infinitely many axes of symmetry. A straight line segment joining two points which are the points of intersection of an axis of symmetry and the circle, is a diameter of the circle. The point at which the axes of symmetry of a circle intersect is the center of the circle.

23.2 Chord of a circle

- Complete the activity 2 by studying the page 89 paste the diagram in your note book.
- A straight line segment joining any two points on a circle is called a chord of that circle. The longest chord of a circle is its diameter.

23.3 Arc of a circle

- Complete the activity 3 by studying the page 90 and paste the diagram in your note book.
- Define arcs of a circle, minor arc and the major arc in a circle.
- Complete the exercise 23.1 by studying the pages 90 & 91.
- 23. 4 Segments of a circle & Sectors of a circle
 - Complete the activity 4 by studying the page 91 and paste the diagram in your note book.
 - Define segment of a circle, minor segment of the circle & the major segment of the circle.
 - Complete the activity 5 by studying the page 92 and paste the diagram in your note book.
 - Define the sector of the circle & the central angle.
 - Complete the exercise 23.2 by studying the pages 93 & 94.
 - Write a summary about what you learned in this lesson.