

CHAPTER-8 | Playing with Construction

QUIZ
PART-01

1. What are curves?

- A. Only closed shapes
- B. Shapes drawn on paper with a pencil
- C. Only circles
- D. Only straight lines (B)

Explanation: The chapter says curves are shapes that can be drawn on paper with a pencil, including straight lines, circles, and other figures.

2. Which of the following is included under curves in this chapter?

- A. Only zigzag lines
- B. Only circles
- C. Straight lines, circles, and other figures
- D. Only polygons (C)

Explanation: The chapter clearly includes straight lines, circles, and other figures under curves.

3. In the figure, point P is called the:

- A. Diameter
- B. Chord
- C. Centre
- D. Arc (C)

Explanation: The chapter states that point P is the centre of the circle.

4. The distance from the centre of a circle to any point on the circle is called the:

- A. Side
- B. Radius
- C. Diameter
- D. Boundary (B)

Explanation: The chapter defines radius as the distance between the centre and any point on the circle.

5. In the chapter figure, PA, PB, PC, PD, and PE are all:

- A. Diameters
- B. Arcs
- C. Radii
- D. Tangents (C)

Explanation: Since all these line segments go from the centre P to points on the circle, they are radii.

6. If every point marked around P is 4 cm away from P, the shape formed is a:

- A. Rectangle
- B. Triangle
- C. Circle
- D. Square (C)

Explanation: A circle is formed by all points that are at the same distance from one fixed point.

7. What is the centre of a circle?

- A. The longest line in a circle
- B. The fixed point inside the circle
- C. The outer boundary
- D. The slant line of a circle (B)

Explanation: The centre is the fixed point from which all points on the circle are equally distant.

8. Which tool is most suitable to draw a circle of radius 5.5 cm?

- A. Divider
- B. Protractor
- C. Compass
- D. Set square (A)

Explanation: A compass is used to draw a circle when the radius is given.

9. If the radius of a circle is 4 cm, then which statement is correct?

- A. Every point on the circle is 4 cm from the centre
- B. Only one point is 4 cm from the centre
- C. The diameter is 4 cm
- D. The centre lies on the circle (A)

Explanation: By definition, all points on a circle are equally distant from its centre.

10. Which of the following is NOT correct according to the chapter?

- A. A circle is a type of curve
- B. A straight line can be included under curves in this chapter
- C. Radius is the distance from the centre to any point on the circle
- D. The centre is a point on the circle (D)

Explanation: The centre is inside the circle, not on the circle.