

CHAPTER-9 | : Circle

QUIZ
PART-08

1. What is the distance between two points on the circle called?

- A) Radius
- B) Chord
- C) Diameter
- D) Arc (B)

Explanation: The distance between two points on the boundary is called the chord.

2. If the radius is 5m and the distance between two points is 6m, what is being calculated?

- A) Circumference
- B) Angle subtended
- C) Length of the chord
- D) Area of the circle (B)

Explanation: The angle subtended at the center is being calculated.

3. Three equal points on the boundary of a circle form:

- A) Right-angled triangle
- B) Equilateral triangle
- C) Square
- D) Rectangle (B)

Explanation: Equal points form an equilateral triangle.

4. A chord subtended by the center is:

- A) Equal to the radius
- B) Half of the radius
- C) Equal to the diameter
- D) Equal in length to any other chord (C)

Explanation: The chord is equal to the diameter.

5. What is true for two equal chords in a circle?

- A) They subtend equal angles at the center
- B) They are unequal
- C) They intersect at the center
- D) They are perpendicular to each other (A)

Explanation: Equal chords subtend equal angles at the center.

6. What shape is formed by three equal points on a circle?

- A) Isosceles triangle
- B) Square
- C) Equilateral triangle
- D) Rectangle (C)

Explanation: Three equal points on a circle form an equilateral triangle.

Q7. The length of the string in a toy phone held by three people in a circle is:

- A) Equal to the radius
- B) Equal to the chord
- C) Equal to the diameter
- D) Half the radius (B)

Explanation: The length of the string is equal to the length of the chord.

8. What happens when two chords intersect in a circle?

- A) They form right angles
- B) The chords are unequal
- C) They create equal segments
- D) They are parallel (C)

Explanation: Intersecting chords create equal segments.

9. If three boys are sitting at equal distances on a circle, what do they form?

- A) Scalene triangle
- B) Isosceles triangle
- C) Equilateral triangle
- D) Rectangle (C)

Explanation: Equal distances form an equilateral triangle.

10. In a circle, if the distance between two points is 6m, the length of the chord is:

- A) 5m
- B) 6m
- C) 12m
- D) Equal to the radius (B)

Explanation: The distance between two points on the boundary is the length of the chord.