

MCQ WORKSHEET-I
CLASS IX: CHAPTER – 10
CIRCLES

1. The centre of a circle lies in _____ of the circle.
(a) exterior (b) interior (c) boundary (d) none of these
 2. A point, whose distance from the centre of a circle is greater than its radius lies in of the circle.
(a) exterior (b) interior (c) boundary (d) none of these
 3. The longest chord of a circle is a _____ of the circle.
(a) diameter (b) semicircle (c) chord (d) sector
 4. Segment of a circle is the region between an arc and _____ of the circle.
(a) diameter (b) semicircle (c) chord (d) sector
 5. A circle divides the plane, on which it lies, in parts.
(a) two (b) three (c) four (d) five
 6. *Equal chords of a circle subtend _____ angles at the centre.*
(a) half (b) one third (c) one fourth (d) equal
 7. *If the angles subtended by the chords of a circle at the centre are equal, then the chords are _____.*
(a) half (b) one third (c) one fourth (d) equal
 8. *The perpendicular from the centre of a circle to a chord _____ the chord.*
(a) trisect (b) bisect (c) coincide (d) none of these.
 9. *The line drawn through the centre of a circle to _____ a chord is perpendicular to the chord.*
(a) trisect (b) bisect (c) coincide (d) none of these.
 10. *There is one and only one circle passing through _____ given non-collinear points.*
(a) two (b) three (c) four (d) five
 11. *Chords equidistant from the centre of a circle are _____ in length.*
(a) half (b) one third (c) one fourth (d) equal
 12. *The angle subtended by an arc at the centre is _____ the angle subtended by it at any point on the remaining part of the circle.*
(a) half (b) double (c) triple (d) equal
 13. *Angles in the same segment of a circle are equal.*
(a) half (b) double (c) triple (d) equal
 14. *The sum of either pair of opposite angles of a cyclic quadrilateral is _____.*
(a) 180° . (b) 360° (c) 90° (d) none of these
 15. *If the sum of a pair of opposite angles of a quadrilateral is _____, the quadrilateral is cyclic.*
(a) 180° . (b) 360° (c) 90° (d) none of these
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