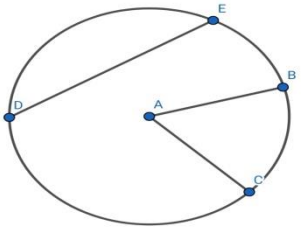
SUBJECT-MATHEMATICS, CLASS-VI

CHAPTER-13(CIRCLE)

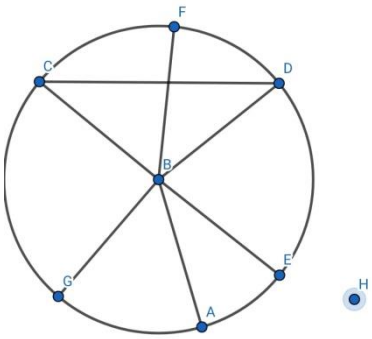
WORKSHEET (BASIC)

1. Diameter is_____.
   (a) twice radius (b) half radius (c) equal to radius (d) one-third of radius
2. The perimeter of circle is called its _____ .
   (a) area (b) circumference (c) radius (d) diameter
3. Which of the following is an example of circle?
   (a) a chair (b) a bottle cap (c) a cup (d) a table
4. The distance around a circular region is known as its_____.
   (a) area (b) diameter of circle (c) circumference (d) radius
5. In a circle, there are _____ radius/radii.
   (a) one (b) four (c) ten (d)infinitely many
6. Sun is a shape of _____.
7. Diameter of a circle = 2 x _____
8. All the radii of the circle are of _____ length.
9. If the radius of the circle is 2cm, then the length of diameter is _____.
10. Half of the circle is called _____.
11. _____ is the perimeter of the circle.
12. _____ is used to draw a circle.
13. _____ is a line segment whose end points lie on the circle and which passes through the centre of the circle.
14. The centre of a circle lies in the _____ of the circle.
15. Draw a circle having radius 3cm. And measure the diameter.
16. Name three objects that contains circle.
17. Draw a circle and identify the centre and radius of the circle.



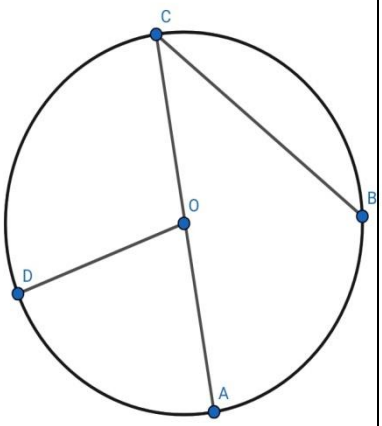
18. From the given figure,
    a) Name the radii.
    b) Name the chord

19.Look at the given circle and answer the following.



a) Name the centre.
b) How many radii are there?
c) Name a semicircle.

20. Look at the given circle and fill in the blanks.



a. The line segment AC is a..... of the circle.

b. The line segment OD is a .....of the circle.

c. The line segment BC is a.....of the circle.

21.Draw a circle having radius 4 cm.

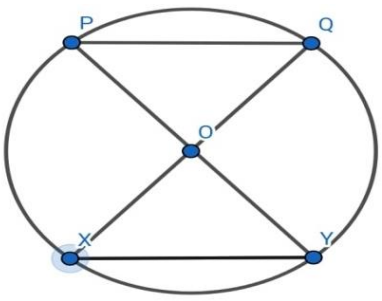
22.Draw a circle having diameter 6 cm.

23.Find the diameter if the radius is 3.2cm

24.Find the radius if the diameter is 6m.

25.Look at the given figure and fill in the blanks.

a. XY and PQ are _____
b. XQ and PY are _____
c. OX and OQ are _____



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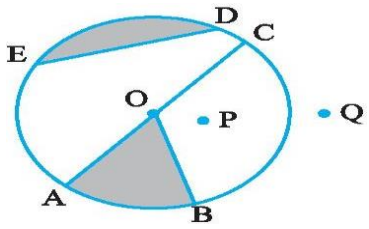
SUBJECT-MATHEMATICS, CLASS-VI

CHAPTER-13(CIRCLE)

WORKSHEET (STANDARD)

1. _____ is the line segment joining the centre of a circle to any point of the circle.
2. _____ is the longest chord.
3. Perimeter of the circle is its _____.
4. A_____of a circle is a line segment joining any two points on the circle passing through origin.
5. The circumference of a circle with radius 7 cm is_____.
6. A _____ is a line segment whose end points lie on the circle.
7. Half of the semicircle is called _____.
8. The circumference of a circle is_____.
9. Draw a circle of radius 4.2cm. Draw its longest chord and measure it.
10. If two circles of centre O and C with radii 3cm and 4.5cm touch externally, what is the distance between their centres?
11. If length of a chord passing through the centre of the circle is 12cm. What is the radius of the circle?
12. Draw a circle having diameter 9.6cm.Measure the radius.
13. How many circles can be drawn to pass through two given points?
14. Take a point on your notebook and draw circle of radii 4cm,3cm and 6.5 cm, each having same centre O.
15. Draw a line segment AB of length 7 cm. At A, draw a circle of radius 4 cm. At B, draw a circle of radius 3.8cm. What do you observe?

16. From the figure, identify :
    (a) The centre of circle (b) Three radii
    (c) A diameter (d) A chord
    (e) Two points in the interior (f) A point in the exterior
    (g) A sector (h) A segment

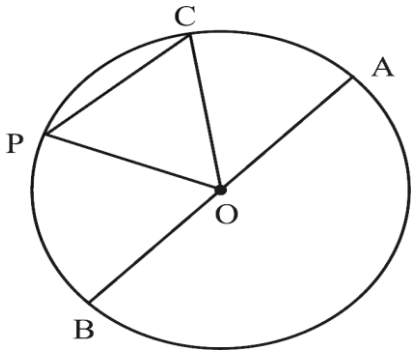


17. Draw a circle with centre C and radius 3.4 cm. Draw any chord AB. Construct the perpendicular bisector of AB and examine if it passes

through C.

18. What will be the width of the circular race track with inner diameter 14 cm and outer diameter 18cm?

19. In Fig., O is the centre of the circle.



a. Name all chords of the circle.

b. Name all radii of the circle.

c. Name a chord, which is not the diameter of the circle.

20. If the circumference of a circle is 48 cm and diameter of circle is 7 cm. Find the perimeter of semicircle.

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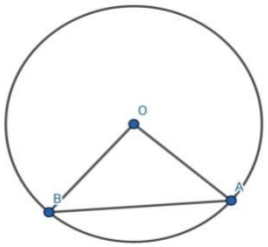
SUBJECT-MATHEMATICS, CLASS-VI

CHAPTER-13(CIRCLE)

WORKSHEET(ADVANCE)

1. The circumference of circle whose diameter is 14 cm will be_____.
2. What is the circumference of a circular disc of radius 14 cm?
3. The circumference of a circle is 31.4 cm. Find the radius. (Take Π = 3.14)
4. If the circumference of a circle with radius 3.5 cm is 22cm. Find the perimeter of the quarter of the circle.
5. If the circumference of the circle is 132cm. Find the perimeter of the semicircle. (Take Π = 3.14)
6. The radii of two circles are in the ratio 2:3. What is the ratio of their circumference?
7. A 44m long wire is bent to form a circle. Find the diameter of the circle.
8. A wire is in the form of a circle of radius 35m. It is now bent in the form of an equilateral triangle. Find the side of the triangle.
9. Draw a circle of radius 4 cm. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Where do they meet?
10. If O is the centre of the circle, then $\Delta\, BOC$ is which type of triangle?



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