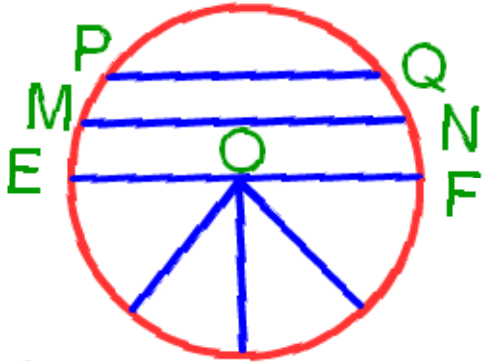


Worksheet on Circle

In worksheet on circle we will solve 10 different types of question in circle.

1. The following figure shows a circle with centre O and some line segments drawn in it. Classify the line segments as radius, chord and diameter:



- (i) $OA = \dots\dots\dots$
- (ii) $OB = \dots\dots\dots$
- (iii) $OC = \dots\dots\dots$
- (iv) $EF = \dots\dots\dots$
- (v) $MN = \dots\dots\dots$
- (vi) $PQ = \dots\dots\dots$

2. With the help of a compass, draw a circle of radius:

- (i) 4.5 cm. (ii) 5.2 cm

3. Draw a circle of radius 6 cm.

4. Draw a circle of diameter 5.5 cm.

5. Draw a circle with centre C and radius 4.7 cm. Mark point P,Q,R such that P lies in the interior of the circle, Q lies on the circle and R lies in the exterior of the circle.

6. Draw a circle whose diameter is 10 cm. Find its radius.

7. With a same circle, draw three circles first with radius 2 cm. second with radius 3 cm and third with radius 4 cm.

8. A circle has a radius 7 cm. Find the length of the longest chord of this circle.

9. Write true or false:

(i) Each radius of a circle is also a chord of the circle

(ii) Each diameter of a circle is also a chord of the circle

(iii) The centre of a circle bisects each chord of the circle

10. Fill in the blanks:

(i) A diameter of a circle is a chord thatthrough the centre.

(ii) A radius of a circle is a line segment with one end point and the other end.....

(iii) If we join any two points on a circle by a line segment. We obtain a of the circle.

(iv) Any part of a circle is called an of the circle.