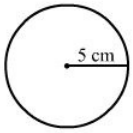
Circles Ex 14.1 Q6

Answer :

The semi -circle with centre O and radius 5 cm is shown below -



The end point of a diameter of a circle divides it into two equal parts, and each part is called a semi circle. So, it is not the diameter, but end points of the diameter that determines the semi circle or a part of the semi circle.

Circles Ex 14.1 Q7

Answer :

The radius of a circle is half of its diameter.

Therefore, the radius = diameter/2

∴ Radius = 14/2 = 7 cm

Circles Ex 14.1 Q8

Answer :

The diameter of a circle is its longest chord.

The diameter of a circle is twice of its radius.

∴ Length of the longest chord is: 2 × 2.5 = 5 cm

Circles Ex 14.1 Q9

Answer :

(i) two

(ii) longest

(iii) the centre of the circle

(iv) circle

(v) chord

(vi) the centre, on the circle

(vii) equal

(viii) concurrent

(ix) infinite

(x) equidistant

(xi) two

(xii) chord

(xiii) the same centre point

Circles Ex 14.1 Q10

Answer :

(i) T

(ii) F

(iiii) F

(iv) F

(v) T

(vi) T

(vii) F

(viii) F

(ix) T

********** END **********