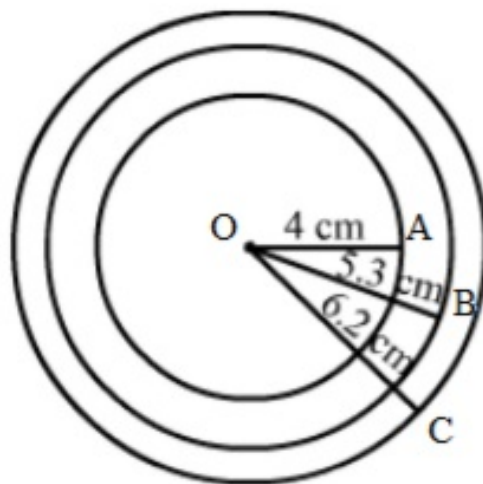




Exercise 18

Q1

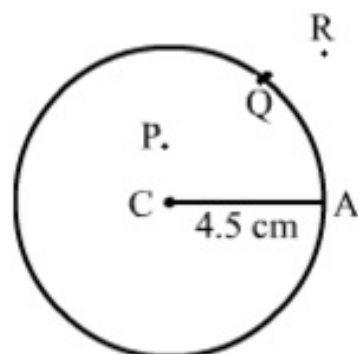
Answer :



This is the required diagram as asked in the question.

Q2

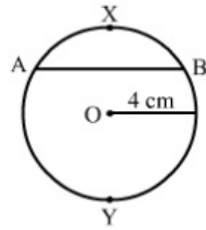
Answer :



This is the required diagram as asked in the question.

Q3

**Answer :**



This is the required diagram as asked in the question.

Q4

**Answer :**

(i) False

Diameter of a circle is a chord of the circle, not radius.

(ii) True

It is the longest chord of the circle.

(iii) False

A perpendicular drawn from the centre of the circle to the chord, bisects the chord.

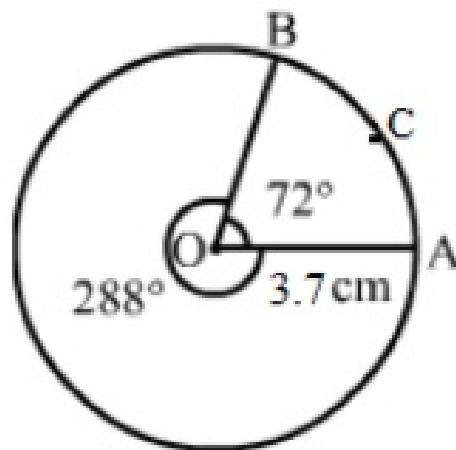
(iv) False

It is a line passing through the circle that intersects the circle at two points.

(v) True.

Q5

**Answer :**



Therefore, the required arc is arc OACB.

Q6

**Answer :**

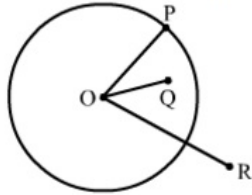
(i) >

(ii) <

(iii) >

(iv) >

This is because the major arc covers more than half of the circumference of the circle.



Q7

**Answer :**

- (i) passes through
- (ii) on the circle, at the centre of the circle
- (iii) chord
- (iv) arc
- (v) sector

\*\*\*\*\* END \*\*\*\*\*