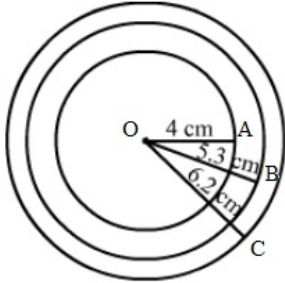


Circles

Q1

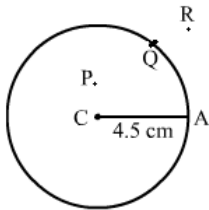
Answer :



This is the required diagram as asked in the question.

Q2

Answer :

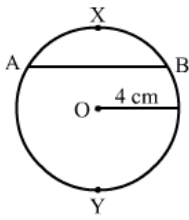


This is the required diagram as asked in the question.

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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.

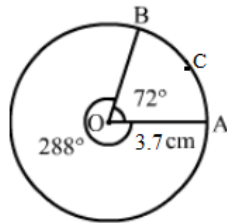
(iv) False

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 :

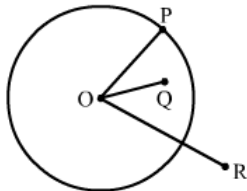
(i) >

(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