

Maharashtra Board Solutions Class 5-Maths (Problem Set 31) - Part 1: Chapter 7- Circles



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Maharashtra Board Solutions Class 5-Maths (Problem Set 31) - Part 1: Chapter 7- Circles

Class 5: Maths Chapter 7 solutions. Complete Class 5 Maths Chapter 7 Notes.

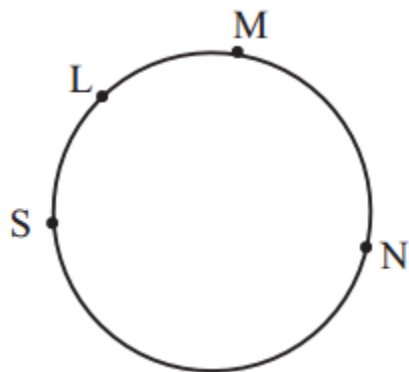
Maharashtra Board Solutions Class 5-Maths (Problem Set 31) - Part 1: Chapter 7- Circles

Maharashtra Board 5th Maths Chapter 7, Class 5 Maths Chapter 7 solutions

Important Questions and Answers.

Question 1.

In the figure given alongside, points S, L, M, and N are on the circle. Answer the questions with the help of the diagram.



(1) Write the names of the arcs with end-points S and M.

Answer:

Arcs with the end-points S and M are, arc SLM and arc SNM.

(2) Write the names of the arcs with the end-points L and N.

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Answer:

Arcs with the end-points L and N are, arc LMN and arc LSN.

Question 2.

Write the names of arcs that points A, B, C, and D in the given circle give rise to.

Answer:

Arcs with end-points A and C are, arc ABC and arc ADC.

Arcs with end-points B and D are, arc BAD and arc BCD.

Question 3.

Give the names of the arcs that are made by points P, Q, R, S, and T in the figure.

Answer:

Taking end-points : P and R, arc PQR, arc PTR.

Taking end-points: Q and S, arc QRS, arc QTS

Taking end-points : R and T, arc RST, arc RPT

Taking end-points : S and P, arc STP, arc SRP

Taking end-points: Q and T, arc QPT, arc QST

Question 4.

Measure and note down the circumference of different circular objects. (It is convenient to use a measuring tape for this purpose.)

Additional Important Questions and Answers

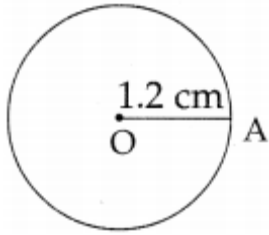
Question 1.

Draw circles with the radii given below:

(1) 1.2 cm

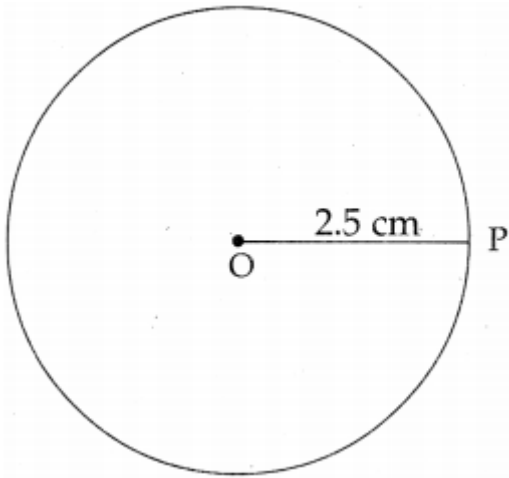
Answer:

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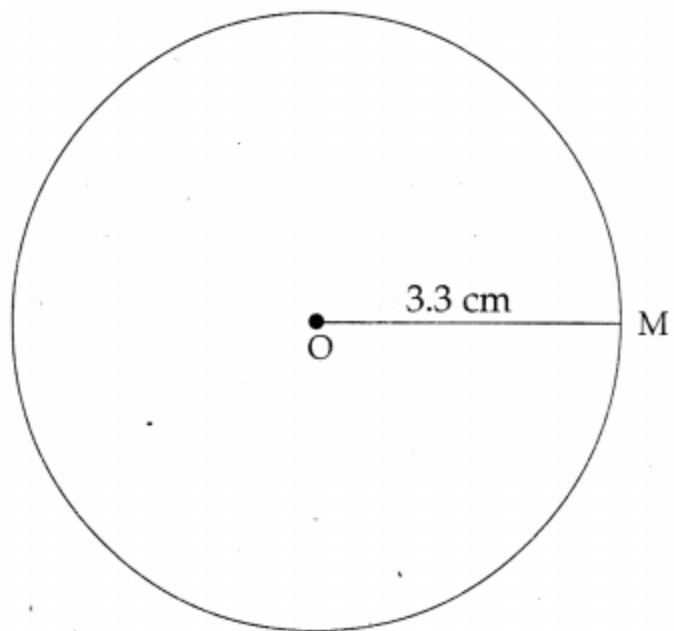
(2) 2.5 cm

Answer:



(3) 3.3 cm

Answer:



Question 2.

Write true or false for the following statements:

- (1) Longest chord is a diameter.
- (2) Centre is not lying on the diameter.
- (3) All chords are of equal length.
- (4) All chords passes through the centre.

Answer:

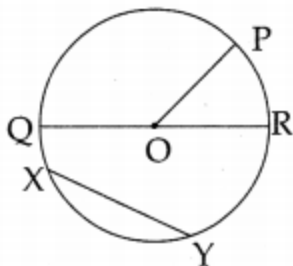
- (1) True
- (2) False
- (3) False
- (4) False

Question 3.

Match the cplumns (A) and (B):

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(A)	(B)
(1) OP	(a) centre
(2) O	(b) diameter
(3) XY	(c) radius
(4) QR	(d) chord



Answer:

(1) ↔ (c),

(2) ↔ (a),

(3) ↔ (d),

(4) ↔ (b)

Question 4.

Complete the following table by filling in the blanks:

Radius	3 cm	_____	17 cm	_____
Diameter	_____	20 cm	_____	18 cm

Answer:

(1) 6 cm

(2) 10 cm

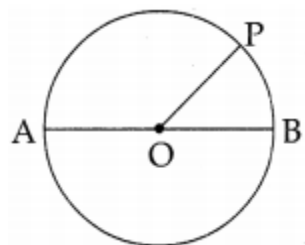
(3) 34 cm

(4) 9 cm

Question 5.

From the following figure, fill in the blanks:

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(1) If $OP = 4\text{ cm}$ then $AB =$ _____ cm , $OA =$ _____ cm , $OB =$ _____ cm .

(2) If $AB = 10\text{ cm}$ then $OA =$ _____ cm , $OB =$ _____ cm , $OP =$ _____ cm .

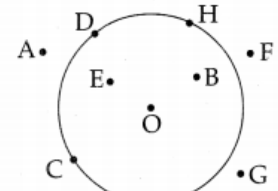
Answer:

(1) $AB = 8\text{ cm}$, $OA = 4\text{ cm}$, $OB = 4\text{ cm}$

(2) $OA = 5\text{ cm}$, $OB = 5\text{ cm}$, $OP = 5\text{ cm}$

Question 6.

In the table below, write the names of the points in the interior and exterior of the circle and those on the circle.

Diagram	Points in the interior of the circle	Points in the exterior of the circle	Points on the circle
	_____	_____	_____

Answer:

Points in the exterior of the circle are A, F and G.

Points in the interior of the circle are O, E and B, and Points on the circle are C, D and H.

Question 7.

Radius of a circle with centre P is 4 cm. Fill in the blanks.

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(1) The, point A is at a distance of 5 cm from the centre P. Hence the point A lies in the _____ of the circle.

(2) Point B is at a distance of 4 cm. from the centre P. Hence the point B lies _____ circle.

(3) Point C lies at a distance 3 cm from the centre P. Hence it lies in the _____ of the circle.

Answer:

(1) Exterior

(2) on the circle

(3) interior

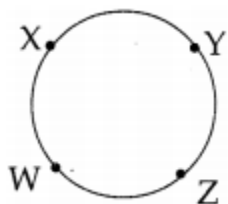
Question 8.

Solve the following:

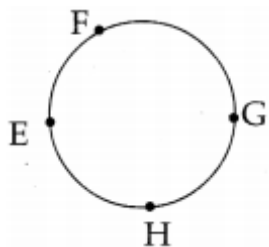
(1) What is the length of the diameter of a circle of radius 6 cm?

(2) What is the length of the radius of a circle of diameter 14 cm?

(3) Give the names of the arcs that are made by points X, Y, Z and W in this picture.



(4) Give the names of the arc that are made by points E, F, G and H, taking end points E and G.



(5) If the diameter of a circle is 7 cm. what is the length of the circumference? (Use measure tap)

Answer:

(1) 12 cm

(2) 7 cm

(3) Having end-points X and Z, arc XYZ and arc XWZ

Having end-points Y and W, arc YZW and arc YXW

(4) By end-points E and G, arc EFG and arc EHG

(5) 22 cm



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The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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