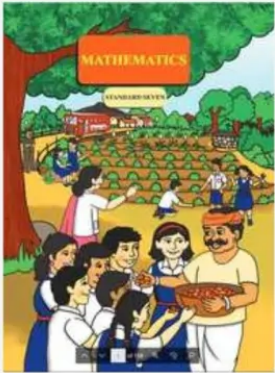


Maharashtra Board Solutions Class 7-Maths

(Practice Set 43): Chapter 11- Circle

BOOK SOLUTIONS
CLASS 7
MATHS

CHAPTER 11
Circle





Maharashtra Board Solutions→

For any clarifications or questions you can write to info@indcareer.com

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Maharashtra Board Solutions Class 7-Maths

(Practice Set 43): Chapter 11- Circle

Class 7: Maths Chapter 11 solutions. Complete Class 7 Maths Chapter 11 Notes.

Maharashtra Board Solutions Class 7-Maths (Practice Set 43): Chapter 11- Circle

Maharashtra Board 7th Maths Chapter 11, Class 7 Maths Chapter 11 solutions

Question 1.

Choose the correct option.

If arc AXB and arc AYB are corresponding arcs and $m(\text{arc AXB}) = 120^\circ$ then $m(\text{arc AYB}) =$

- (A) 140°
- (B) 60°
- (C) 240°
- (D) 160°

Solution:

(C) 240°

Hint:

Measure of major arc = 360° – measure of corresponding minor arc

$$\therefore m(\text{arc AYB}) = 360 - m(\text{arc AXB})$$

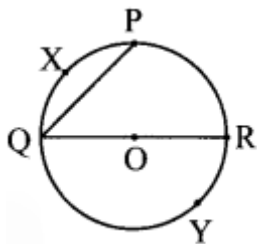
$$\therefore m(\text{arc AYB}) = 360 - 120$$

$$\therefore m(\text{arc AYB}) = 240^\circ$$

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Question 2.

Some arcs are shown in the circle with centre 'O' Write the names of the minor arcs, major arcs and semicircular arcs from among them.

**Solution:**

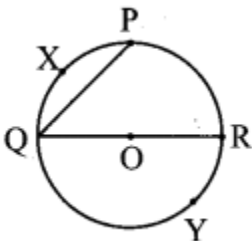
Minor arcs : arc QXP, arc PR, arc RY, arc YQ, arc QX, arc XP, arc PRY.

Major arcs : arc PYQ, arc PQR, arc RQY, arc XPQ, arc XQP, arc XQR

Semicircular arcs : arc QPR, arc QYR.

Question 3.

In a circle with centre O, the measure of a minor arc is 110° . What is the measure of the major arc PYQ?

**Solution:**

Measure of major arc = 360° – measure of corresponding minor arc

$$\therefore m(\text{arc PYQ}) = 360 - 110$$

$$\therefore m(\text{arc PYQ}) = 250^\circ$$

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∴ The measure of the major arc PYQ is 250°.

Intext Questions and Activities

Question 1.

Measure the circumference and diameter of the objects given below and enter the ratio of the circumference to its diameter in the table.

Sr. No.	Object	Circumference	Diameter	Ratio = $\frac{C}{D}$
i.	Bangle 	19 cm	6 cm	$\frac{19}{6} = 3.16$
ii.	Circular Dish 			
iii.	Lid of a jar 			

Examine the ratio of the circumference to the diameter. What do we see? (Textbook pg. no. 75)

Solution:

The ratio of circumference to the diameter is same and is approximately equal to 3.14.

Question 2.

Place a cylindrical bottle on a paper and trace the outline of its base. Use a thread to measure the circumference of the circle. (Textbook pg. no. 75)

Solution:

(Students should attempt the above activities on their own)

Question 3.

Measure the circumference of a bangle with the help of a thread. (Textbook pg. no. 75)

Solution:

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(Students should attempt the above activities on their own)

Question 4.

Measure the circumference of any cylindrical object using a thread. (Textbook pg. no. 75)

Solution:

(Students should attempt the above activities on their own)



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- Chapter 4- Angles and Pairs of Angles (Practice Set 18)
- Chapter 4- Angles and Pairs of Angles (Practice Set 19)
- Chapter 4- Angles and Pairs of Angles (Practice Set 20)
- Chapter 4- Angles and Pairs of Angles (Practice Set 21)

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- Chapter 6- Indices (Practice Set 30)
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- Chapter 8- Algebraic Expressions and Operations on them (Practice Set 33)
- Chapter 8- Algebraic Expressions and Operations on them (Practice Set 34)
- Chapter 8- Algebraic Expressions and Operations on them (Practice Set 35)
- Chapter 8- Algebraic Expressions and Operations on them (Practice Set 36)
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- Chapter 9- Direct Proportion and Inverse Proportion (Practice Set 38)
- Chapter 9- Direct Proportion and Inverse Proportion (Practice Set 39)
- Chapter 10- Bank and Simple Interest (Practice Set 40)
- Chapter 10- Bank and Simple Interest (Practice Set 41)
- Chapter 11- Circle (Practice Set 42)

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- Chapter 11- Circle (Practice Set 43)
- Chapter 12- Perimeter and Area (Practice Set 44)
- Chapter 12- Perimeter and Area (Practice Set 45)
- Chapter 12- Perimeter and Area (Practice Set 46)
- Chapter 12- Perimeter and Area (Practice Set 47)
- Chapter 13- Pythagoras Theorem (Practice Set 48)
- Chapter 13- Pythagoras Theorem (Practice Set 49)
- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 50)
- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 51)
- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 52)
- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 53)
- Chapter 15- Statistics (Practice Set 54)
- Chapter 14- Statistics (Practice Set 55)

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About About Maharashtra State Board (MSBSHSE)

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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FAQs

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Who developed the Maharashtra State board books?

As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

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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