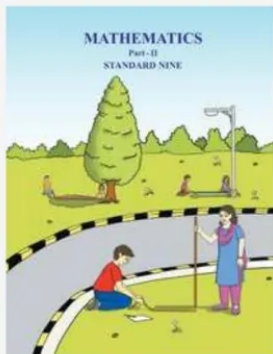


Maharashtra Board Solutions Class 9-Maths

(Part 2): Chapter 1.3- Basic Concepts in Geometry

BOOK SOLUTIONS
CLASS 9
MATHS (PART 2)

CHAPTER 1.3
Basic Concepts in Geometry



Maharashtra Board Solutions→

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

Postal Address

IndCareer.com, 52, Shilpa Nagar, Somalwada Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888, **Website:** <https://www.indcareer.com>

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-9-maths-part-2-chapter-1-3-basic-concepts-in-geometry/>



Maharashtra Board Solutions Class 9-Maths

(Part 2): Chapter 1.3- Basic Concepts in Geometry

Class 9: Maths Chapter 1.3 solutions. Complete Class 9 Maths Chapter 1.3 Notes.

Maharashtra Board Solutions Class 9-Maths (Part 2): Chapter 1.3- Basic Concepts in Geometry

Maharashtra Board 9th Maths Chapter 1.3, Class 9 Maths Chapter 1.3 solutions

Question 1.

Write the following statements in 'if-then' form.

- i. The opposite angles of a parallelogram are congruent.
- ii. The diagonals of a rectangle are congruent.
- iii. In an isosceles triangle, the segment joining the vertex and the midpoint of the base is perpendicular to the base.

Answer:

- i. If a quadrilateral is a parallelogram, then its opposite angles are congruent.
- ii. If a quadrilateral is a rectangle, then its diagonals are congruent.
- iii. If a triangle is isosceles triangle, then segment joining the vertex of a triangle and midpoint of the base is perpendicular to the base.

Question 2.

Write converses of the following statements.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-9-maths-part-2-chapter-1-3-basic-concepts-in-geometry/>

- i. The alternate angles formed by two parallel lines and their transversal are congruent.
- ii. If a pair of the interior angles made by a transversal of two lines are supplementary, then the lines are parallel.
- iii. The diagonals of a rectangle are congruent.

Answer:

- i. If the alternate angles made by two lines and their transversal are congruent, then the two lines are parallel.
- ii. If two parallel lines are intersected by a transversal, then the interior angles formed by the transversal are supplementary.
- iii. If the diagonals of a quadrilateral are congruent, then that quadrilateral is a rectangle.



Maharashtra Board Solutions

Class 9 Maths

Part 2

- Chapter 1.1- Basic Concepts in Geometry
- Chapter 1.2- Basic Concepts in Geometry
- Chapter 1.3- Basic Concepts in Geometry
- Chapter 2.1- Parallel Lines
- Chapter 2.2- Parallel Lines
- Chapter 3.1- Triangles
- Chapter 3.2- Triangles
- Chapter 3.3- Triangles
- Chapter 3.4- Triangles
- Chapter 3.5- Triangles
- Chapter 4.1- Constructions of Triangles
- Chapter 4.2- Constructions of Triangles
- Chapter 4.3- Constructions of Triangles
- Chapter 5.1- Quadrilaterals
- Chapter 5.2- Quadrilaterals
- Chapter 5.3- Quadrilaterals
- Chapter 5.4- Quadrilaterals
- Chapter 5.5- Quadrilaterals
- Chapter 6.1- Circle
- Chapter 6.2- Circle
- Chapter 6.3- Circle
- Chapter 7.1- Co-ordinate Geometry
- Chapter 7.2- Co-ordinate Geometry
- Chapter 8.1- Trigonometry
- Chapter 8.2- Trigonometry
- Chapter 9.1- Surface Area and Volume
- Chapter 9.2- Surface Area and Volume
- Chapter 9.3- Surface Area and Volume

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-9-maths-part-2-chapter-1-3-basic-concepts-in-geometry/>

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.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-9-maths-part-2-chapter-1-3-basic-concepts-in-geometry/>

FAQs

Where do I get the Maharashtra State Board Books PDF For free download?

You can download the Maharashtra State Board Books from the eBalbharti official website, i.e. cart.ebalbharati.in or from this article.

Add image

How to Download Maharashtra State Board Books?

Students can get the Maharashtra Books for primary, secondary, and senior secondary classes from here. You can view or download the Maharashtra State Board Books from this page or from the official website for free of cost. Students can follow the detailed steps below to visit the official website and download the e-books for all subjects or a specific subject in different mediums.

Step 1: Visit the official website ebalbharati.in

Step 2: On the top of the screen, select "Download PDF textbooks"

Step 3: From the "Classes" section, select your class.

Step 4: From "Medium", select the medium suitable to you.

Step 5: All Maharashtra board books for class 11th will now be displayed on the right side.

Step 6: Click on the "Download" option to download the PDF book.

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.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-9-maths-part-2-chapter-1-3-basic-concepts-in-geometry/>

About IndCareer

IndCareer.com is a leading developer of online career guidance resources for the Indian marketplace. Established in 2007, IndCareer.com is currently used by over thousands of institutions across India, including schools, employment agencies, libraries, colleges and universities.

IndCareer.com is designed to assist you in making the right career decision - a decision that meets your unique interests and personality.

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

Postal Address

IndCareer.com
52, Shilpa Nagar,
Somalwada
Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888

Website: <https://www.indcareer.com>

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-9-maths-part-2-chapter-1-3-basic-concepts-in-geometry/>