

Maharashtra Board Solutions Class 6-Maths (Practice Set 39): Chapter 17- Geometrical Constructions



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Maharashtra Board Solutions Class 6-Maths (Practice Set 39): Chapter 17- Geometrical Constructions

Class 6: Maths Chapter 17 solutions. Complete Class 6 Maths Chapter 17 Notes.

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Maharashtra Board 6th Maths Chapter 17, Class 6 Maths Chapter 17 solutions

Question 1.

Draw line l . Take any point P on the line. Using a set square, draw a line perpendicular to line l at the point P .

Solution:

Step 1:



Step 2:

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line $PQ \perp$ line l

Question 2.

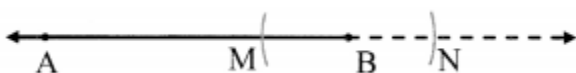
Draw a line AB . Using a compass, draw a line perpendicular to AB at point B .

Solution:

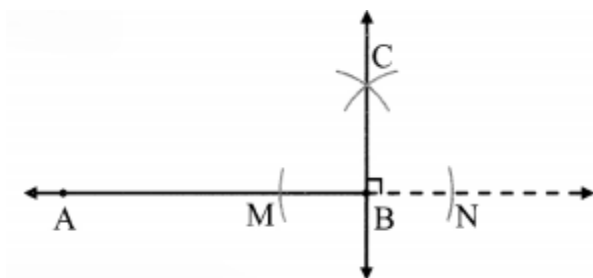
Step 1:



Step 2:



Step 3:



line $BC \perp$ line AB .

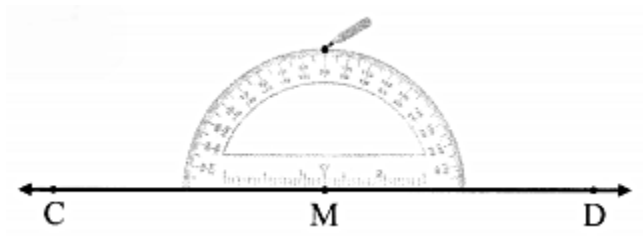
Question 3.

Draw line CD . Take any point M on the line. Using a protractor, draw a line perpendicular to line CD at the point M .

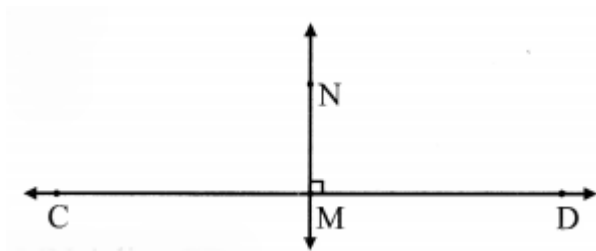
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Solution:

Step 1:



Step 2:



line $MN \perp$ line CD

Questions and Activities

Question 1.

When constructing a building, what is the method used to make sure that a wall is exactly upright? What does the mason in the picture have in his hand? What do you think is his purpose for using it? (Textbook pg. no. 87)



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Solution:

When constructing a building, a weight (usually with a pointed tip at the bottom) suspended from a string called as plummet or plumb bob is aligned from the top of the wall to make sure that the wall is built exactly upright.

The mason in the picture is holding a plumb bob.

The string of the plumb bob is suspended from the top of the wall, such that plumb bob hangs freely. By observing whether the vertical wall is parallel to the string we can check if the constructed wall is vertical.

Question 2.

Have you looked at lamp posts on the roadside? How do they stand? (Textbook pg. no. 87)

Solution:

The lamp posts on the road side are standing erect or vertical.

Question 3.

For the above explained construction, why must we take a distance greater than half of the length of AB? What will happen if we take a smaller distance? (Textbook pg. no. 88)

Solution:

For the above construction, in step-3 we take distance greater than half of the length of AB, so that the arcs drawn by keeping the compass on points A and B intersect each other at point Q.

If the distance in compass is less than half of the length of AB, then the arcs drawn by keeping the compass at A and B will not intersect each other.



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- Chapter 2- Angles (Practice Set 2)
- Chapter 2- Angles (Practice Set 3)
- Chapter 3- Integers (Practice Set 4)
- Chapter 3- Integers (Practice Set 5)
- Chapter 3- Integers (Practice Set 6)
- Chapter 3- Integers (Practice Set 7)
- Chapter 3- Integers (Practice Set 8)
- Chapter 4- Operations on Fractions (Practice Set 9)
- Chapter 4- Operations on Fractions (Practice Set 10)
- Chapter 4- Operations on Fractions (Practice Set 11)
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- Chapter 13- Profit-Loss (Practice Set 32)
- Chapter 13- Profit-Loss (Practice Set 33)
- Chapter 13- Profit-Loss (Practice Set 34)
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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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