

MP Board Class 10 Mathematics Basic Question Paper(Memory Based)

Time Allowed :3 Hours	Maximum Marks :70	Total questions :37
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. Answers to this Paper must be written on the paper provided separately.
2. You will not be allowed to write during the first 15 minutes
3. This time is to be spent in reading the question paper.
4. The time given at the head of this Paper is the time allowed for writing the answers,
5. The paper has four Sections.
6. Section A is compulsory - All questions in Section A must be answered.
7. You must attempt one question from each of the Sections B, C and D and one other question from any Section of your choice.
8. The intended marks for questions or parts of questions are given in brackets [].

1. The sum of a rational and an irrational number is always an

2. The common difference in the AP: 4, 10, 16, 22, ... is

3. All equilateral triangles are similar.

4. Express 140 as a product of its prime factors.

5. Find the zeroes of the quadratic polynomial $x^2 + 7x + 10$.

6. Find the 10th term of the A.P.: 2, 7, 12, ...

7. Determine the probability of rolling a prime number on a die.

8. Prove that tangents from an external point to a circle are equal in length.
