

CLASS 9

MATHEMATICS

NCERT SOLUTIONS

NCERT Solutions for Class 9 Mathematics Chapter 1: Orienting Yourself: The Use of Coordinates – Free PDF Download

Chapter 1 of Class 9 Maths Ganita Manjari Part 1 is Orienting Yourself: The Use of Coordinates. It introduces the Cartesian coordinate system — a way to describe the exact position of a point on a flat surface using two numbers. These Class 9 Mathematics Chapter 1 solutions are also useful as quick revision notes ...

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Chapter 1 of Class 9 Maths *Ganita Manjari Part 1* is Orienting Yourself: The Use of Coordinates. It introduces the Cartesian coordinate system — a way to describe the exact position of a point on a flat surface using two numbers. These Class 9 Mathematics Chapter 1 solutions are also useful as quick revision notes before exams.

The Cartesian Plane

A **Cartesian plane** is formed by two perpendicular number lines: the horizontal **x-axis** and the vertical **y-axis**, intersecting at the **origin** (0, 0). Together they divide the plane into four regions called **quadrants** (I, II, III, IV), numbered anticlockwise starting from the top-right).

Coordinates of a Point

Every point in the plane is described by an ordered pair (x, y): the **abscissa** (x-coordinate) is the distance from the y-axis, and the **ordinate** (y-coordinate) is the distance from the x-axis. The order matters — (2, 3) is a different point from (3, 2).

Sign Conventions in Each Quadrant

Quadrant I: (+, +)

Quadrant II: (–, +)

Quadrant III: (–, –)

Quadrant IV: (+, –)

A point on the x-axis has y-coordinate 0; a point on the y-axis has x-coordinate 0.

Plotting Points

To plot a point (a, b): move *a* units along the x-axis (right if positive, left if negative) from the origin, then move *b* units parallel to the y-axis (up if positive, down if negative).

Class 9 Mathematics Chapter 1 – Notes and Extra Questions

Along with these NCERT Solutions, students can also use the [Class 9 Mathematics Chapter 1 Extra Questions](#) and [Class 9 Mathematics Chapter 1 Revision Notes](#) for quick revision and extra practice.