BIHAR BOARD CLASS 10
MATHEMATICS SYLLABUS 2027

Academic Session 2026–27 | Subject-wise topic guide

Purpose: A self-prepared, indicative study guide for planning and revision.

Real Numbers

- Euclid’s division algorithm; fundamental theorem of arithmetic
- HCF and LCM; irrational numbers; decimal expansion of rational numbers

Algebra

- Polynomials: zeroes and relationship between zeroes and coefficients
- Pair of linear equations in two variables: graphical and algebraic methods
- Quadratic equations: factorisation, formula and nature of roots
- Arithmetic progressions: nth term and sum of n terms

Coordinate Geometry

- Distance formula and section formula
- Area of a triangle using coordinates

Geometry

- Triangles: similarity and related theorems
- Circles: tangents and their properties
- Constructions based on similarity and tangents

Trigonometry

- Trigonometric ratios and standard values
- Identities and complementary angles
- Heights and distances

Mensuration

- Areas related to circles
- Surface areas and volumes of combined solids

Statistics and Probability

- Mean, median and mode of grouped data
- Cumulative frequency and ogives
- Classical probability and simple events

Important note: *This is an independently prepared topic guide, not an official BSEB-issued syllabus. The exact 2026–27 chapter list, prescribed textbooks, question pattern and marks distribution may differ. For final exam preparation, cross-check with the latest school/BSEB instructions and prescribed textbooks. Language-subject literature selections are not specified here because they depend on the prescribed reader.*