



SYLLABUS

Grade 8 - Maths Curriculum





Nex Classes is a leading live-class platform



Aligned with
CBSE curriculum



Aligned with
CISCE curriculum





Syllabus Content

Our comprehensive evaluation identifies each student's current proficiency level, discovering areas that require improvement.

Rational Numbers

Properties, Representation, Operations, Rational numbers between two numbers

Linear Equations in One Variable

Solving, Word problems, Reducing to simpler forms, Variable on both sides

Understanding Quadrilaterals

Types (parallelogram, Rectangle, Square), Properties, Angle sum

Data Handling

Organising/grouping data, Bar and circle graphs, Probability, Pie charts





Squares and Square Roots

Properties, Finding squares/square roots, Pythagorean triplets, Root by factorization

Cubes and Cube Roots

Cube numbers, Cube roots, Finding cube root, Estimation

Comparing Quantities

Percentages, Ratios, Profit/Loss, Discounts, Compound interest, Sales tax

Algebraic Expressions and Identities

Operations, Factorisation, Expansions, Special identities

Mensuration

Area and volume (trapezium, polygons, cube, cuboid, cylinder), Surface area calculations

Exponents and Powers

Laws of exponents, Standard form of numbers, Negative and fractional exponents





Direct and Inverse Proportions

Problems and applications involving direct/inverse proportions

Factorisation

Common factors, Methods (regrouping, by using identities), Algebraic factorization

Introduction to Graphs

Coordinate system, Plotting points, Types of graphs, Interpretation

