

Detailed Lesson Plan for CBSE Maths

Class - 8 Maths

S.N.	Unit Name	Sub-Topics	No. of Classes
1	Rational Numbers	1.0 Introduction 1.1 Properties of Rational Numbers 1.2 Representation of Rational Numbers on the Number Line 1.3 Rational Numbers between Two Rational Numbers	04
2	Linear Equations in One Variable	2.0 Introduction to Linear Equations in One Variable 2.1 Solving Equations which have Linear Expressions on one Side and Numbers on the other Side 2.2 Solving Equations having the Variable on both Sides 2.3 Reducing Equations to Simpler Form 2.4 Equations Reducible to the Linear Form	04
3	Understanding Quadrilaterals	3.0 Introduction 3.1 Polygons 3.2 Sum of the Measures of the Exterior Angles of a Polygon 3.3 Kinds of Quadrilaterals 3.4 Some Special Parallelograms	04

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4	Practical Geometry	4.0 Introduction 4.1 Constructing a Quadrilateral 4.2 Some Special Cases	04
5	Data Handling	5.0 Looking for Information 5.1 Organising Data 5.2 Grouping Data 5.3 Chance and Probability	03
6	Squares and Square Root	6.0 Introduction 6.1 Properties of Square Numbers 6.2 Some More Interesting Patterns 6.3 Finding the Square of a Number 6.4 Other patterns in squares 6.5 Pythagorean triplets 6.6 Square Roots 6.7 Estimating Square Root	05
7	Cubes and Cube Roots	7.0 Introduction 7.1 Cubes 7.2 Some interesting patterns 7.3 Cube Roots	05

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8	Comparing Quantities	8.0 Recalling Ratios and Percentages 8.1 Finding the Increase or Decrease Per cent 8.2 Finding Discounts 8.3 Prices Related to Buying and Selling (Profit and Loss) 8.4 Sales Tax/Value Added Tax/Goods and Services Tax 8.5 Compound Interest 8.6 Deducing a Formula for Compound Interest 8.7 Rate Compounded Annually or Half Yearly (Semi Annually) 8.8 Applications of Compound Interest Formula	05
9	Algebraic Expressions and Identities	9.0 What are Expressions? 9.1 Terms, Factors and Coefficients 9.2 Monomials, Binomials and Polynomials 9.3 Like and Unlike Terms 9.4 Addition and Subtraction of Algebraic Expressions 9.5 Multiplication of Algebraic Expressions: Introduction 9.6 Multiplying a Monomial by a Monomial 9.7 Multiplying a Monomial by a Polynomial 9.8 Multiplying a Polynomial by a Polynomial 9.9 Identities	06
10	Visualising Solid Shapes	10.0 Introduction to shapes 10.1 Views of 3D-Shapes 10.2 Mapping Space Around Us 10.3 Faces, Edges and Vertices 10.4 Polyhedrons	03

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11	Mensuration	11.0 Introduction to mensuration 11.1 Area of Trapezium 11.2 Area of a General Quadrilateral 11.3 Area of a Polygon 11.4 Solid Shapes 11.5 Surface Area of Cube, Cuboid and Cylinder 11.6 Volume and Capacity	05
12	Exponents and Powers	12.0 Introduction 12.1 Powers with Negative Exponents 12.2 Laws of Exponents 12.3 Use of Exponents to Express Small Numbers in Standard Form 12.4 Comparing very large and very small numbers	03
13	Direct and Inverse Proportion	13.0 Introduction to proportionality 13.1 Direct Proportion 13.2 Inverse Proportion	02
14	Factorisation	14.0 Introduction 14.1 What is Factorisation 14.2 Division of Algebraic Expressions 14.3 Division of Algebraic Expressions Continued (Polynomial \div Polynomial) 14.4 Commonly made errors while when solving algebra exercises	04
15	Introduction to Graphs	15.0 Introduction to graphs 15.1 Linear Graphs	01

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16	Playing with Numbers	16.0 Introduction 16.1 Numbers in General form 16.2 Games with Numbers 16.3 Letters for Digits 16.4 Tests of Divisibility	02
Total Classes			60

Plus (+)

Revision Classes	16 Classes
Exam Strategy Session	1 Session
PTM	2
All Total Classes	77 Classes