

Class 7 Rationalized Maths Syllabus



Name of the textbook: Mathematics for class VII (NCERT)

Total no. of chapters: 15

No. of chapters deleted: 4

Chapter No. and Name	Sub-topics of the chapter	Deletion and Reason	Topics that will be covered
1. Integers	<ul style="list-style-type: none">• Revision of concepts of integers• Properties related to Addition and Subtraction of integers• Multiplication of integers and the related properties• Division of integers and the related properties	-	Completed in April
2. Fractions and Decimals	<ul style="list-style-type: none">• Types of fractions• Addition and subtraction of fractions• Multiplication and division of fractions• Multiplication and division of decimals	-	Completed in June
3. Data Handling	<ul style="list-style-type: none">• Mean , Range• Median , Mode• Bar Graphs• Chance and Probability	-	Completed in July
4. Simple Equations	<ul style="list-style-type: none">• Formation of equations• Solving of equations using balancing and transpose methods• Practical implementation	-	To be completed in August
5. Lines and Angles	<ul style="list-style-type: none">• Introduction to lines and angles• Different types of angles• Pairs of lines	Complete chapter -	NA

		Is repeated in class IX from basics	
6. Triangles and Its Properties	<ul style="list-style-type: none"> • Median, altitude • Properties of triangles • Isosceles and equilateral triangle 	-	All
7. Congruence of Triangles	<ul style="list-style-type: none"> • Congruence of plane figures, angles, triangles • Congruence among line segments, right-angled triangles • Congruence criteria 	Complete chapter- Is repeated in class IX from basics	NA
8. Comparing Quantities	<ul style="list-style-type: none"> • Equivalent ratios • Percentage • Buying and Selling • Simple Interest 	-	All
9. Rational Numbers	<ul style="list-style-type: none"> • Explanation of rational numbers and the need • Rational numbers on a number line; comparison and finding a no. between two rational numbers • Operations on rational numbers 	-	All
10. Practical Geometry	<ul style="list-style-type: none"> • Construction of lines • Construction of triangles using different criteria 	Complete chapter - To be done from the basics in class IX	NA
11. Perimeter and Area	<ul style="list-style-type: none"> • Introduction • Squares, Rectangles, Parallelogram, Circle, Triangle • Conversion of units • Applications 	-	All
12. Algebraic Expressions	<ul style="list-style-type: none"> • How are Expressions Formed? • Terms of an Expression • Like and Unlike Terms • Monomials, Binomials, Trinomials and Polynomials • Addition and Subtraction of Algebraic Expressions 	-	All

	<ul style="list-style-type: none"> Finding the Value of an Expression Using Algebraic Expressions – Formulas and Rules 		
13. Exponents and Powers	<ul style="list-style-type: none"> Exponents Laws of Exponents Miscellaneous Examples Using the Laws of Exponents Decimal Number System Expressing Large Numbers in the Standard Form 	-	All
14. Symmetry: i) Lines of symmetry for regular polygons ii) Rotational Symmetry	<ul style="list-style-type: none"> Lines of Symmetry for Regular polygons Rotational Symmetry Line Symmetry and Rotational Symmetry 	Rotational Symmetry - Not used in senior classes	Lines of Symmetry for Regular polygons
15. Visualising Solid Shapes	<ul style="list-style-type: none"> Faces, Edges and Vertices Nets for Building 3-D Shapes Drawing Solids on a Flat Surface Viewing Different Sections of a Solid 	Complete chapter - To be done in class VIII	NA

Assessment Schedule

PA-1:

Ch-1 Integers

Ch-2 Fractions and Decimals: Till Ex 2.3

TERM-1 :

Ch-2 Fractions and Decimals

Ch-3 Data Handling

Ch-4 Simple Equations

Ch-6 Triangles and Its Properties

Ch-14: Symmetry

PA-2:

Ch-8 Comparing Quantities

Ch-9 Rational Numbers

TERM-2:

Ch-8 Comparing Quantities

Ch-9 Rational Numbers
Ch-11 Perimeter and Area
Ch-12 Algebraic Expressions
Ch-13 Exponents and Powers