

VII I.I.T. Foundation, N.T.S.E. & Mathematics Olympiad Curriculum

Chapter As Per NCERT Text Book	Topic
1. Integers	Operations on Integers
	Properties of Integers
2. Fractions and Decimals	Multiplication and Division on Fraction
	Multiplication and Division on Decimals
3. Data Handling	Data Representation
	Data Value
4. Simple Equations	Introduction to Simple Equations
	Application of Simple Equations
5. Lines and Angles	Angles
	Pairs of Lines
6. The Triangle and its Properties	Triangles
	Properties of Triangles
7. Congruence of Triangles	Congruence of Plane Figures
	Criteria for Congruence of Triangles
8. Comparing Quantities	Ratios and Proportions
	Percentages
	Conversions
	Application of Percentages
9. Rational Numbers	Introduction to Rational Numbers
	Comparison of Rational Numbers
	Operations on Rational Numbers
10. Practical Geometry	Construction of Triangles
	Construction of Parallel Lines
11. Perimeter and Area	Plane Figures
	Circles
12. Algebraic Expressions	Understanding Algebraic Expressions
	Operations on Algebraic Expressions
	Application of Algebraic Expressions
13. Exponents and Powers	Exponents and Powers
	Laws of Exponents
14. Symmetry	Line Symmetry
	Rotational Symmetry
15. Visualizing Solid Shapes	Introduction to Solid Shapes
	Viewing the different section of Solids