Grade 1 – Math Study Guide :-

- **Count and write numbers**
- **Count by 10's**
- **Compare numbers**
- **Addition**
- **Subtraction**
- **Identify 2D shapes**
- **Identify 3D shapes.**

Grade 2 – Math Study Guide :-

- **Counting by ones to 50...**
- **Addition**
- **Subtraction**
- **Add 3 addends (one digit numbers)**
- **Compare numbers**
- **Missing numbers.**
- **Understand ones and tens.**
- **Name 2D and 3D shapes**

Grade 3 – Math Study Guide :-

- **Even and odd numbers.**
- **Different ways to write numbers (up to 3 digit numbers)**
- **Place value to 1000.**
- **Expanded form.**
- **Counting patterns with 10, 100, 1000.**
- **Compare numbers**
- **Addition**
- **Subtraction**

Grade 4 – Math Study Guide :-

- **Adding and subtracting numbers within 1000.**
- **Round numbers.**
- **Even and odd numbers.**
- **Represent and interpret Data.**
- **Count equal groups to multiply.**
- **Relate addition and subtraction.**
- **Multiplication**
- **Division**
- **Shading and representing fractions.**

Grade 5 – Math Study Guide :-

- **Read and write numbers up to one million**
- **Value of numbers.**
- **Compare and order numbers.**
- **Round Numbers.**
- **Addition – Subtraction – multiplication - Division**
- **Factors, multiples and prime numbers.**
- **Fractions**

Grade 6 – Math Study Guide:-

Calculators are not allowed

- **Place value of whole numbers and decimals.**
- **Powers 10 and exponents.**
- **Multiplying by 1 digit and 2 digit numbers.**
- **Dividing by 1digit and 2 digit numbers.**
- **Round decimals.**
- **Decimals (Adding – Subtracting – Multiplying – Dividing)**
- **Fractions (Adding – Subtracting – Multiplying – Dividing)**

Grade 7 – Math Study Guide

Calculators are not allowed

- **Factors and Multiples**
- **Fractions**
- **Decimals**
- **Percent**
- **Integers**
- **Absolute Value**
- **Solving one step equations**
- **Powers and Exponents**
- **Prime Factorization**
- **Geometry: Angle and Line Relationship.**
- **Triangles**

Grade 8 – Math Study Guide

Calculators are not allowed

- **Integers (Adding - Subtracting -Multiplying -Dividing)**
- **Solving Equations**
- **Ratios - Unit Rates - Solving Proportions**
- **Graph Linear Equations**
- **Slope - Slope-Intercept Form - Writing linear equations**
- **Powers and Exponents**
- **Prime Factorization**
- **Negative Exponents**
- **Geometry: Angle and Line Relationship.**
- **Triangles**
- **Congruent Triangles**
- **Quadrilaterals & Polygons**
- **Circles**

Grade 9 – Math Study Guide :-

Calculators are allowed

- **Solving Multi-step Equations.**
- **Solving linear equations, algebraically and graphically.**
- **Solving System of Equations, algebraically and graphically.**
- **Slope of Lines.**
- **Parallel and perpendicular Lines.**
- **Writing Equations in slope intercept form.**
- **X intercepts and y intercepts.**
- **Solving multi-step inequalities.**
- **Ratio & Proportion.**
- **Complementary & Supplementary angles.**
- **Sum of measures of interior angles of triangle theorem.**
- **Adding, Subtracting & Multiplying polynomials.**

Grade 10 – Math Study Guide :-

- **Slopes of lines.**
- **Parallel and perpendicular lines**
- **Classifying triangles.**
- **Congruent triangles.**
- **Isosceles and equilateral triangles.**
- **Angles formed by parallel line and transversals.**
- **Complementary and supplementary angles.**
- **Inequities in two triangles.**
- **Solving Right Triangles.**
- **The Pythagorean Theorem.**
- **Solving Multi-Step Equations.**
- **Solving System of equations, algebraically and graphically.**
- **Adding, Subtracting and Multiplying Polynomials**.
- **Midpoint and distance formula in the coordinate plane**

Grade 11 – Math Study Guide

- **Simplifying Algebraic Expressions**
- **Solving Linear Equations and Inequalities**
- **Solving Absolute-value Equation and Inequality**
- **Using Graphs and Tables to Solve Linear Systems**
- **Using Algebraic Methods to Solve Linear Systems**
- **Properties of Quadratic Functions in Standard Form**
- **Solving Quadratic Equations by Graphing and Factoring**
- **The Quadratic Formula**
- **Operations with Complex Numbers**
- **Polynomial Functions (Adding – Subtracting – Multiplying – Dividing – Factoring)**
- **Arithmetic Sequences and Series**
- **Right Angle Trigonometry**
- **The Law of Sines**
- **The Law of Cosines**