

Topic to be covered for 7th grade math

- I. Numeration & Units of Measurement**
 - A. Compare & order whole numbers**
 - B. Rounding whole numbers**
 - C. Estimate**
 - D. Solve word problem using above techniques**
- II. Operations with Decimals**
 - A. Solving Equations**
 - B. Adding & subtracting with measurements**
 - C. Multiplying & dividing with measurements**
- III. Geometry, Perimeter, Area**
 - A. Measure Angles**
 - B. Classify shapes**
 - C. Find circumference and perimeter of an area**
 - D. Find the area of a triangle, square, parallelogram, trapezoid, & circle**
 - E. Solve word problems**
- IV. Number Theory & Developing Fractions**
 - A. Factors**
 - B. Open ended problem solving**
- V. Four operation with fractions**
- VI. Pre- Algebra Equations**
 - A. Variables**
 - B. Write and evaluate mathematical expressions**
 - C. Solve inequalities**
- VII. Ration and proportions**
 - A. Write rates, ratios and proportions**
 - B. Problem solving**
- VIII. Percents**
 - A. Write fraction and decimal as percents**
 - B. Finding percents of number**
 - C. Problem solving**
- IX. Consumer Applications**
 - A. Simple, Compound Interest**
 - B. Tax rates, commissions**
 - C. Discount, mark-up**
- X. Introduction to integers**
 - A. Compare & order**
 - B. Solving equations**
 - C. Know the four operations**
 - D. Solve equations**
 - E. Solve problem**
- XI. Surface Area, Volume**
 - A. Construct angles and bisectors**
 - B. Classify space figures**
 - C. Volume of cylinder and prism**

XII. Probability and statistics

- A. Find probability**
- B. Find range, mean, median and mode**
- C. Solve problems**