

Math 7 Textbook

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Number properties; focusing on facts; identifying and locating points on a grid Simplifying expressions; adding and subtracting fractions Identifying parts of a solid; combining integers Dividing whole numbers Understanding exponents; multiplying fractions Converting from ratios to decimals, percents, or fractions Solving word problems Finding prime factors Solving and checking equations Simplify expressions by substituting variables with numbers; dividing fractions Converting %'s greater than 100%; naming, measuring, and classifying angles Combining like terms; the distributive and associative properties Identifying quadrilaterals	Dividing decimals; identifying parts of a circle Dividing to solve equations; finding a percent of a number and computing sales tax Formulas for the area of polygons; converting fractions to decimals Making a tally chart Repeating decimal quotients; formula for perimeter and volume Using prime factors to find greatest common factor; converting mixed number percents to decimals Formula for the circumference of a circle; using proportions to convert U.S. measures Dividing to solve two-step equations Finding the area of irregular shapes Subtracting integers Classifying triangles by angles and sides Multiplying to solve equations Use proportions to solve percent problems	Formula for the area of a circle Multiplying expressions that include variables Calculating discount and sale prices Building bar graphs Finding the missing dimension for the area and the perimeter of a rectangle Solving equations with fractional solutions; adding, subtracting, and multiplying mixed units of measure Finding commission Using a proportion to convert between miles and kilometers Formula for the area of a trapezoid Rounding mixed numbers to the nearest whole number Equations, inequalities, and variables Dividing mixed measures Converting fractional percents to decimals	Measuring angles of a triangle Multiplying to solve two-step equations Solving percent word problems with remainders; decimal and percent equivalents for eighths Building pictographs Identifying congruent and similar figures Solving inequalities Simplifying expressions and solving equations Using proportions to convert between gallons and liters Honesty in graphing information Graphing solutions ($=$, $<$, $>$) Using fractional equivalents of percents in word problems Constructing congruent line segments Finding missing angle measurements in triangles	Combining numbers and words to express large numbers Formula for the volume of a triangular prism Order of operations with exponents and square roots Building line graphs Identifying reflex angles Using exponents to list prime factors Calculating depreciation Using proportions to convert between pounds and kilograms Calculating unit price to the nearest cent Graphing solutions ($\geq$, $\leq$) Calculating the amount of increase or decrease Formula for the volume of a cylinder Simplifying complex fractions
Unit 6	Unit 7	Unit 8	Unit 9	Unit 10
Constructing congruent angles Multiplying numbers when the signs are different The cost of installment buying Reading circle graphs and calculating sector percents Finding any missing dimension Multiplying numbers when the signs are the same Rules for exponents of 1 and 0 Using a proportion to convert between inches and centimeters Using proportions to solve fraction questions Identifying complementary and supplementary angles Dividing negative numbers Multiplying variables with exponents Using the formula to find distance	Bisecting an angle Translating words to numbers and symbols Combining like terms to simplify and solve equations Calculating degrees for circle graph sectors Identifying polyhedra and their nets Choosing equations for word problems Finding mean, median, and mode Using a proportion to convert between yards and meters Finding the surface area of a prism Interest on savings and loans Using the distributive property to simplify and solve equations Calculating the percent of increase and decrease Writing negative exponents as decimals	Bisecting a line segment Symbols for sets Calculating interest for months Histograms Using the distance formula to find rate and time; finding the range of a set of data Venn diagrams for universal sets, sets, and subsets Dividing variables with exponents Converting between teaspoons and milliliters Finding complements, supplements, and opposites Points on a coordinate plane Using powers of ten to expand numbers Converting Bible measures of length Using prime factorization to find the LCM	Constructing parallel lines Making a table of values Calculating operating expenses Choosing appropriate graphs to display data Venn diagram for intersection of sets Graphing linear relations Disjoint sets and the empty set Converting Bible measures of capacity to standard measures Complement of a set Map scales using a proportion Changing standard form to scientific notation Converting between Celsius and Fahrenheit temperatures U.S. and metric land area measures	Constructing a perpendicular line from a point to a line Graphing linear equations Changing scientific notation to standard form Reading double line graphs Converting Bible measures to standard measures Identifying diagonals of polygons Special sets of numbers Using prime factorization to reduce fractions Converting Old Testament shekels and talents Twenty-four-hour digital time Using a proportion to find the actual size of a scale drawing Volume and capacity in the metric system Using reflection to construct a congruent figure