

Accelerated Math math management software helps every student master every math objective, 1st grade through calculus. This content library provides the Scope and Sequence of instruction for these Scott Foresman – Addison Wesley Grade 6 objectives:

Chapter	LEGEND
➤	Section
▪	Objective

Chapter 1 – Numbers, Expressions, and Equations

- Place Value, Exponents, and Estimation
 - Place Value (Word Forms)
 - Place Value (Expanded Form)
 - Exponents
 - Comparing and Ordering Whole Numbers
 - Rounding Whole Numbers
 - Estimating Sums and Differences
 - Estimating Products and Quotients
- Building Number Sense
 - Order of Operations
 - Properties of Operations
 - Mental Math: Using the Distributive Property
- Expressions and Equations
 - Variables and Expressions (Write)
 - Variables and Expressions (Evaluate)
 - Properties of Equality
 - Solving Equations with Whole Numbers

Chapter 2 – Decimals

- Decimal Concepts
 - Understanding Decimals (Word Forms)
 - Understanding Decimals (Expanded Form)
 - Comparing and Ordering Decimals
 - Rounding Decimals
 - Estimating with Decimals (Sums and Differences)
 - Estimating with Decimals (Products and Quotients)
- Decimal Computation
 - Adding and Subtracting Whole Numbers and Decimals
 - Multiplying Whole Numbers and Decimals
 - Dividing by a Whole Number
 - Dividing by a Decimal
- Applications with Decimals
 - Multiplying and Dividing by Powers of Ten
 - Scientific Notation
 - Solving Equations with Decimals
 - P-S Strategy: Write an Equation

Chapter 3 – Number Theory and Fraction Concepts

- Number Theory
 - Factors, Multiples, and Divisibility
 - Prime and Composite Numbers
 - Greatest Common Factor
 - Least Common Multiple
 - P-S Strategy: Make a Table
- Fraction Concepts
 - Understanding Fractions
 - Equivalent Fractions
 - Improper Fractions and Mixed Numbers
 - Estimating Fractional Amounts
 - Connecting Fractions and Decimals
 - Comparing and Ordering Fractions and Decimals
 - P-S Skill: Multiple-Step Problems

Chapter 4 – Adding and Subtracting Fractions

- Adding and Subtracting Fractions
 - Adding and Subtracting Fractions with Like Denominators
 - Adding and Subtracting Fractions with Unlike Denominators
 - P-S Strategy: Look for a Pattern
- Adding and Subtracting Mixed Numbers
 - Estimating Sums and Differences of Fractions and Mixed Numbers
 - Adding Mixed Numbers
 - Subtracting Mixed Numbers (Like, No Regroup)
 - Subtracting Mixed Numbers (Unlike, No Regroup)
 - Subtracting Mixed Numbers (Regroup)
 - Choose a Computation Method
 - P-S Skill: Exact Answer or Estimate

Chapter 5 – Multiplying and Dividing Fractions

- Multiplying Fractions
 - Multiplying a Fraction and a Whole Number
 - Multiplying Fractions
 - Estimating with Fractions and Mixed Numbers
 - Multiplying Mixed Numbers
- Dividing Fractions
 - P-S Strategy: Make an Organized List
 - Dividing Fractions
 - Dividing Mixed Numbers

- Algebra: Using Fractions
 - Expressions with Fractions
 - Solving Equations with Fractions

Chapter 6 – Ratio, Rates, and Proportion

- Ratio and Rates
 - Understanding Ratios
 - Equal Ratios
 - Rates and Unit Rates
 - P-S Strategy: Use Objects
- Proportions
 - Understanding Proportions
 - Solving Proportions
 - Solving Proportions Using Cross Products
 - Using Formulas
 - Scale Drawings and Maps

Chapter 7 – Percent

- Meaning of Percent
 - Understanding Percent
 - Fractions, Decimals, and Percents
- Finding Percent
 - Mental Math: Finding a Percent of a Number
 - Estimating with Percents
 - Finding a Percent of a Number
 - P-S Strategy: Solve a Simpler Problem
- Algebra: Using Percent
 - Sales Tax and Discounts
 - Percent of Increase and Decrease
 - Simple Interest

Chapter 8 – Algebra: Integers and Rational Numbers

- Understanding Integers and Rational Numbers
 - Understanding Integers
 - Comparing and Ordering Integers
 - Understanding Rational Numbers (Write as a/b)
 - Understanding Rational Numbers (Compare and Order)
 - P-S Skill: Choose an Operation
- Operations with Integers
 - Adding Integers
 - Subtracting Integers
 - Multiplying Integers
 - Dividing Integers
 - Solving Equations with Integers
 - P-S Strategy: Work Backward
- Coordinate Graphing
 - Graphing Ordered Pairs
 - Patterns and Tables
 - Graphing Equations

Chapter 9 – Geometry

- Lines and Angles
 - Geometric Ideas
 - Measuring and Drawing Angles
 - Angle Pairs
 - Constructions
 - P-S Strategy: Draw a Picture
- Polygons and Circles
 - Polygons
 - Triangles
 - Quadrilaterals
 - Circles
- Transformations
 - Congruent and Similar Figures
 - Transformations (Classify)
 - Transformations (Coordinate Points)
 - Symmetry
 - Tessellations

Chapter 10 – Measurement

- Systems of Measurement
 - Customary Measurement
 - Metric Measurement
 - Units of Measure and Precision
 - Relating Customary and Metric Measurements
 - Elapsed Time
 - P-S Strategy: Use Logical Reasoning
- Perimeter, Circumference, and Area
 - Perimeter
 - Area of Squares and Rectangles
 - Relating Area and Perimeter
 - Area of Parallelograms and Triangles (Parallelograms)
 - Area of Parallelograms and Triangles (Triangles)
 - Circumference
 - Area of a Circle
 - P-S Skill: Extra or Missing Information
- Surface Area and Volume
 - Solid Figures
 - Surface Area (Rectangular Prisms)
 - Surface Area (Triangular Pyramids)
 - Surface Area (Cylinders)
 - Volume (Rectangular Prisms)
 - Volume (Other Prisms and Cylinders)

Chapter 11 – Data, Graphs, and Probability

- Interpreting Data
 - Samples and Surveys
 - Mean, Median, Mode, and Range
 - Frequency Tables and Line Plots
 - Stem-and-Leaf Plots

- Reading and Making Graphs
 - Bar Graphs
 - Line Graphs
 - Circle Graphs
 - Misleading Graphs
- Probability
 - Counting Methods
 - Permutations and Combinations
 - Probability
 - Predictions and Probability
 - Adding Probabilities
 - Multiplying Probabilities

**Chapter 12 – Algebra: Inequalities, Equations, and
Graphs**

- Inequalities
 - Graphing Inequalities
 - Solving Inequalities
 - P-S Strategy: Try, Check, and Revise
- Two-Step Equations
 - P-S Skill: Translating Words to Expressions
 - Solving Two-Step Equations
 - Patterns and Equations
 - Equations and Graphs
 - Temperature

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