

**Scope and Sequence**  
**Essentials of Math - 2009**

<b>Unit 1</b>		<b>NUMBER SENSE</b>
L1	Lesson	Reviewing Rational Numbers
L2	Lesson	Absolute Value and Integers
1q	Quiz	Quiz 1
L3	Lesson	Converting Fractions to Decimals and Percents
L4	Lesson	Working with Percents (1) Increase and Decrease
L5	Lesson	Working with Percents (2) Applications of Percents
2q	Quiz	Quiz 2
L6	Lesson	Fractions and Factoring
L7	Lesson	Using Exponent Rules
L8	Lesson	Exponents in Scientific Notation
L9	Lesson	Negative Whole-Number Exponents
L10	Lesson	Powers and Roots
3q	Quiz	Quiz 3
test	Test	TEST
<b>Unit 2</b>		<b>STATISTICS, DATA, ANALYSIS, and PROBABILITY</b>
L1	Lesson	Measures of Central Tendency
L2	Lesson	Evaluating Statistical Claims
L3	Lesson	Displaying and Comparing Data Sets
1q	Quiz	Quiz 1
L4	Lesson	Outcomes
L5	Lesson	Representing Probabilities
L6	Lesson	Independent and Dependent Variables
2q	Quiz	Quiz 2
test	Test	TEST
<b>Unit 3</b>		<b>ALGEBRA AND FUNCTIONS</b>
L1	Lesson	Order of Operations
L2	Lesson	Working with Exponents and Roots
L3	Lesson	The Distributive Property
L4	Lesson	Add and Subtract Polynomials
L5	Lesson	Multiply and Divide Polynomials
1q	Quiz	Quiz 1
L6	Lesson	Inverse Operations
L7	Lesson	Solving Two-Step Equations and Inequalities
L8	Lesson	Writing Mathematical Statements
2q	Quiz	Quiz 2
test	Test	TEST

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<b>Unit 4</b>		<b>MEASUREMENT AND GEOMETRY</b>
L1	Lesson	Measurement Systems
L2	Lesson	Scale Drawings and Models
L3	Lesson	Measures of Rates and Products
L4	Lesson	Perimeter and Area: 2D Figures
L5	Lesson	Surface Area and Volume: 3D Figures
1q	Quiz	Quiz 1
L6	Lesson	Converting Between Units of Measure
L7	Lesson	Complex 2D Objects
L8	Lesson	Complex 3D Objects
L9	Lesson	Geometric Shapes: Scale Factors
2q	Quiz	Quiz 2
L10	Lesson	Pythagorean Theorem
L11	Lesson	Coordinate Graphs
L12	Lesson	Transformations and Congruent Figures
3q	Quiz	Quiz 3
test	Test	TEST

<b>Unit 5</b>		<b>MATHEMATICAL REASONING</b>
L1	Lesson	Analyzing Problems
L2	Lesson	Making Conjectures
L3	Lesson	Estimation (1)
L4	Lesson	Estimation (2)
L5	Lesson	Inductive and Deductive Reasoning
L6	Lesson	Solving Problems
1q	Quiz	Quiz 1
test	Test	TEST

<b>Unit 6</b>		<b>ALGEBRA I</b>
L1	Lesson	Graphs and Charts
L2	Lesson	Represent Data
L3	Lesson	Graphing Linear Functions
L4	Lesson	Parallel Lines
L5	Lesson	Solutions of Linear Equations
L6	Lesson	Graphing Higher Power Functions
1q	Quiz	Quiz 1
L7	Lesson	Solving Absolute Value Inequalities
L8	Lesson	Solving Linear Equations
L9	Lesson	Solving Linear Inequalities
2q	Quiz	Quiz 2
L10	Lesson	Multi-Step Word Problems (Rate)
L11	Lesson	Multi-Step Word Problems (Work)
L12	Lesson	Multi-Step Word Problems (Percent Mixture)
L13	Lesson	System of Equations
L14	Lesson	System of Linear Inequalities
3q	Quiz	Quiz 3
test	Test	TEST

<b>Unit 7</b>		<b>FINAL EXAM</b>
finala	Test	Final Exam
finalb	Test *	Alternate Final Exam