

ETA Cuisenaire - VersaTiles Math
Grades: 5, 6, 7, 8
States: California Content Standards

VersaTiles(R) Math Lab, Level 5, Book 1: Whole Numbers, Fractions, and Decimals
 Summary: VersaTiles(R) Math Lab, Level 5, Book 1 (Whole Numbers, Fractions, and Decimals) addresses the following skills within the Number and Number Concepts Strand: Naming Whole Numbers; Comparing and Ordering Whole Numbers; Identifying Whole Numbers; Naming Fractions and Mixed Numbers; Comparing and Ordering Fractions and Mixed Numbers; Naming Decimals; Comparing and Ordering Decimals; Naming Percents; Identifying Place-Value; Rounding Whole Numbers, Fractions, and Decimals; Comparing and Ordering Rational Numbers; Renaming Rational Numbers; Number Theory; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-1)

California Content Standards
Mathematics
Grade: 5

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compute with very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents. They understand the relative magnitudes of numbers.
GRADE LEVEL EXPECTATION	1.1.	Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.
GRADE LEVEL EXPECTATION	1.2.	Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions and explain why they represent the same value; compute a given percent of a whole number. What is 40 percent of 250? (CST released test question, 2004)
GRADE LEVEL EXPECTATION	1.4.	Determine the prime factors of all numbers through 50 and write the numbers as the product of their prime factors by using exponents to show multiples of a factor

VersaTiles(R) Math Lab, Level 5, Book 2: Estimating Sums and Differences
 Summary: VersaTiles(R) Math Lab, Level 5, Book 2 (Estimating Sums and Differences) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Addition of Whole Numbers; Addition of Decimals; Subtraction of Whole Numbers; Subtraction of Decimals; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline

masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-2)

**California Content Standards
Mathematics
Grade: 5**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compute with very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents. They understand the relative magnitudes of numbers.
GRADE LEVEL EXPECTATION	1.1.	Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.
CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals.
GRADE LEVEL EXPECTATION	2.1.	Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.

VersaTiles(R) Math Lab, Level 5, Book 3: Whole Number and Decimal Products
 Summary: VersaTiles(R) Math Lab, Level 5, Book 3 (Whole Number and Decimal Products) addresses the following skills within the Estimation and Computation Strand: Estimating Products; Multiplication of Whole Numbers; Multiplication of Decimals; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-3)

**California Content Standards
Mathematics
Grade: 5**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compute with very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents. They understand the relative magnitudes of numbers.
GRADE LEVEL EXPECTATION	1.1.	Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.
CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals.
GRADE LEVEL EXPECTATION	2.1.	Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.

VersaTiles(R) Math Lab, Level 5, Book 4: Whole Number and Decimal Quotients
 Summary: VersaTiles(R) Math Lab, Level 5, Book 4 (Whole Number and Decimal Quotients) addresses the following skills within the Estimation and Computation Strand: Estimating Quotients; Division of Whole Numbers; Division of Decimals; Regrouping, Rounding, and Renaming Numbers; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-4)

**California Content Standards
 Mathematics
 Grade: 5**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compute with very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents. They understand the relative magnitudes of numbers.
GRADE LEVEL EXPECTATION	1.1.	Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.
CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals.
GRADE LEVEL EXPECTATION	2.1.	Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.
GRADE LEVEL EXPECTATION	2.2.	Demonstrate proficiency with division, including division with positive decimals and long division with multidigit divisors.
CONTENT STANDARD	CA.SDAP.	Statistics, Data Analysis, and Probability
PERFORMANCE STANDARD	1.0.	Students display, analyze, compare, and interpret different data sets, including data sets of different sizes.
GRADE LEVEL EXPECTATION	1.1.	Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ.

VersaTiles(R) Math Lab, Level 5, Book 5: Computing with Fractions
 Summary: VersaTiles(R) Math Lab, Level 5, Book 5 (Computing with Fractions) addresses the following skills within the Estimation and Computation Strand: Addition of Fractions and Mixed Numbers; Subtraction of Fractions and Mixed Numbers; Multiplication of Fractions; Division of Fractions; Regrouping, Rounding, and Renaming Numbers; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8

includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-5)

**California Content Standards
Mathematics
Grade: 5**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals.
GRADE LEVEL EXPECTATION	2.3.	Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form.
GRADE LEVEL EXPECTATION	2.4.	Understand the concept of multiplication and division of fractions.
GRADE LEVEL EXPECTATION	2.5.	Compute and perform simple multiplication and division of fractions and apply these procedures to solving problems.

VersaTiles(R) Math Lab, Level 5, Book 6: Expressions and Equations
 Summary: VersaTiles(R) Math Lab, Level 5, Book 6 (Expressions and Equations) addresses the following skills within the Patterns, Functions, and Algebra Strand: Shape Patterns; Number Patterns; Function Machines; Expressions; Equations; Graphing; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-6)

**California Content Standards
Mathematics
Grade: 5**

CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	1.0.	Students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results.
GRADE LEVEL EXPECTATION	1.2.	Use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.
GRADE LEVEL EXPECTATION	1.4.	Identify and graph ordered pairs in the four quadrants of the coordinate plane.
CONTENT STANDARD	CA.SDAP.	Statistics, Data Analysis, and Probability
PERFORMANCE STANDARD	1.0.	Students display, analyze, compare, and interpret different data sets, including data sets of different sizes.

GRADE LEVEL EXPECTATION	1.5.	Know how to write ordered pairs correctly; for example, (x, y).
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VersaTiles(R) Math Lab, Level 5, Book 7: Polygons and Measures
 Summary: VersaTiles(R) Math Lab, Level 5, Book 7 (Polygons and Measures) addresses the following skills within the Geometry and Measurement Strand: Identifying 2- and 3- dimensional Shapes; Plane Figures; Congruencies and Similiarities; Tranformations; Distance Around Figures; Area; Volume; Scale; Estimating Length, Weight, Capacity, and Mass; Measuring Length; Measuring Angles; Conversion of Units; Triangles; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-7)

**California Content Standards
 Mathematics
 Grade: 5**

CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	1.0.	Students understand and compute the volumes and areas of simple objects.
GRADE LEVEL EXPECTATION	1.1.	Derive and use the formula for the area of a triangle and of a parallelogram by comparing it with the formula for the area of a rectangle (i.e., two of the same triangles make a parallelogram with twice the area; a parallelogram is compared with a rectangle of the same area by pasting and cutting a right triangle on the parallelogram).
GRADE LEVEL EXPECTATION	1.3.	Understand the concept of volume and use the appropriate units in common measuring systems (i.e., cubic centimeter [cm ³], cubic meter [m ³], cubic inch [in. ³], cubic yard [yd. ³]) to compute the volume of rectangular solids.
GRADE LEVEL EXPECTATION	1.4.	Differentiate between, and use appropriate units of measures for, two- and three-dimensional objects (i.e., find the perimeter, area, volume).
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	2.0.	Students identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures.
GRADE LEVEL EXPECTATION	2.1.	Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software).

VersaTiles(R) Math Lab, Level 5, Book 8: Data and Probability
 Summary: VersaTiles(R) Math Lab, Level 5, Book 8 (Data and Probability) addresses the following skills within the Statistics and Probability Strand: Reading and Interpreting Tables; Reading and Interpreting Graphs; Analyzing Data; Listing Outcomes; Independent/Dependent Events; Making Predictions; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement;

and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912005-8)

**California Content Standards
Mathematics
Grade: 5**

CONTENT STANDARD	CA.SDAP.	Statistics, Data Analysis, and Probability
PERFORMANCE STANDARD	1.0.	Students display, analyze, compare, and interpret different data sets, including data sets of different sizes.
GRADE LEVEL EXPECTATION	1.1.	Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ.
GRADE LEVEL EXPECTATION	1.3.	Use fractions and percentages to compare data sets of different sizes.
GRADE LEVEL EXPECTATION	1.4.	Identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph.

VersaTiles(R) Math Lab, Level 6, Book 1: Numbers and Number Theory
 Summary: VersaTiles(R) Math Lab, Level 6, Book 1 (Numbers and Number Theory) addresses the following skills within the Number and Number Concepts Strand: Naming Whole Numbers; Comparing and Ordering Whole Numbers; Identifying Whole Numbers; Naming Fractions and Mixed Numbers; Comparing and Ordering Fractions and Mixed Numbers; Naming Decimals; Comparing and Ordering Decimals; Naming Percents; Naming Ratios; Naming Integers; Identifying Place-Value; Comparing and Ordering Rational Numbers; Renaming Rational Numbers; Number Theory; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-1)

**California Content Standards
Mathematics
Grade: 6**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages.
GRADE LEVEL EXPECTATION	1.1.	Compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.

GRADE LEVEL EXPECTATION	1.2.	Interpret and use ratios in different contexts (e.g., batting averages, miles per hour) to show the relative sizes of two quantities, using appropriate notations (a/b , a to b , $a:b$).
CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students calculate and solve problems involving addition, subtraction, multiplication, and division.
GRADE LEVEL EXPECTATION	2.4.	Determine the least common multiple and the greatest common divisor of whole numbers; use them to solve problems with fractions (e.g., to find a common denominator to add two fractions or to find the reduced form for a fraction).

VersaTiles(R) Math Lab, Level 6, Book 2: Operations with Whole Numbers

Summary: VersaTiles(R) Math Lab, Level 6, Book 2 (Operations with Whole Numbers) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Estimating Quotients; Addition of Whole Numbers; Subtraction of Whole Numbers; Multiplication of Whole Numbers; Division of Whole Numbers; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-2)

VersaTiles(R) Math Lab, Level 6, Book 3: Operations with Decimals

Summary: VersaTiles(R) Math Lab, Level 6, Book 3 (Operations with Decimals) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Estimating Quotients; Addition of Decimals; Subtraction of Decimals; Multiplication of Decimals; Division of Decimals; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-3)

VersaTiles(R) Math Lab, Level 6, Book 4: Operations with Fractions

Summary: VersaTiles(R) Math Lab, Level 6, Book 4 (Operations with Fractions) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Addition of Fractions and Mixed Numbers; Subtraction of

Fractions and Mixed Numbers; Multiplication of Fractions; Division of Fractions; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-4)

**California Content Standards
Mathematics
Grade: 6**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students calculate and solve problems involving addition, subtraction, multiplication, and division.
GRADE LEVEL EXPECTATION	2.1.	Solve problems involving addition, subtraction, multiplication, and division of positive fractions and explain why a particular operation was used for a given situation.
GRADE LEVEL EXPECTATION	2.2.	Explain the meaning of multiplication and division of positive fractions and perform the calculations (e.g.,).
GRADE LEVEL EXPECTATION	2.4.	Determine the least common multiple and the greatest common divisor of whole numbers; use them to solve problems with fractions (e.g., to find a common denominator to add two fractions or to find the reduced form for a fraction).

VersaTiles(R) Math Lab, Level 6, Book 5: Percents, Proportions, and Ratios
Summary: VersaTiles(R) Math Lab, Level 6, Book 5 (Percents, Proportions, and Ratios) addresses the following skills within the Estimation and Computation Strand: Ratios and Proportions; Percents; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-5)

**California Content Standards
Mathematics
Grade: 6**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages.
GRADE LEVEL EXPECTATION	1.2.	Interpret and use ratios in different contexts (e.g., batting averages, miles per hour) to show the relative sizes of two quantities, using appropriate notations (a/b , a to b , $a:b$).

GRADE LEVEL EXPECTATION	1.3.	Use proportions to solve problems (e.g., determine the value of N if $\frac{4}{7} = \frac{N}{21}$, find the length of a side of a polygon similar to a known polygon). Use cross-multiplication as a method for solving such problems, understanding it as the multiplication of both sides of an equation by a multiplicative inverse.
GRADE LEVEL EXPECTATION	1.4.	Calculate given percentages of quantities and solve problems involving discounts at sales, interest earned, and tips.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	2.0.	Students analyze and use tables, graphs, and rules to solve problems involving rates and proportions.
GRADE LEVEL EXPECTATION	2.2.	Demonstrate an understanding that rate is a measure of one quantity per unit value of another quantity.
GRADE LEVEL EXPECTATION	2.3.	Solve problems involving rates, average speed, distance, and time.

VersaTiles(R) Math Lab, Level 6, Book 6: Sequences and Equations
 Summary: VersaTiles(R) Math Lab, Level 6, Book 6 (Sequences and Equations) addresses the following skills within the Patterns, Functions, and Algebra Strand: Number Patterns; Expressions; Equations; Graphing; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-6)

**California Content Standards
 Mathematics
 Grade: 6**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages.
GRADE LEVEL EXPECTATION	1.4.	Calculate given percentages of quantities and solve problems involving discounts at sales, interest earned, and tips.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	1.0.	Students write verbal expressions and sentences as algebraic expressions and equations; they evaluate algebraic expressions, solve simple linear equations, and graph and interpret their results.
GRADE LEVEL EXPECTATION	1.1.	Write and solve one-step linear equations in one variable.
GRADE LEVEL EXPECTATION	1.2.	Write and evaluate an algebraic expression for a given situation, using up to three variables.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	2.0.	Students analyze and use tables, graphs, and rules to solve problems involving rates and proportions.
GRADE LEVEL	2.3.	Solve problems involving rates, average speed, distance, and time.

EXPECTATION		
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VersaTiles(R) Math Lab, Level 6, Book 7: Geometric Shapes and Measures
 Summary: VersaTiles(R) Math Lab, Level 6, Book 7 (Geometric Shapes and Measures) addresses the following skills within the Geometry and Measurement Strand: Identifying 2- and 3-dimensional Shapes; Plane Figures; Congruencies and Similarities; Transformations; Distance Around Figures; Area; Volume; Estimating Length, Weight, Capacity, and Mass; Measuring Angles; Conversion of Units; Triangles; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-7)

**California Content Standards
 Mathematics
 Grade: 6**

CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	3.0.	Students investigate geometric patterns and describe them algebraically.
GRADE LEVEL EXPECTATION	3.1.	Use variables in expressions describing geometric quantities (e.g., $P = 2w + 2l$, $A = 1/2 bh$, $C = \pi d$ - the formulas for the perimeter of a rectangle, the area of a triangle, and the circumference of a circle, respectively).
GRADE LEVEL EXPECTATION	3.2.	Express in symbolic form simple relationships arising from geometry.
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	1.0.	Students deepen their understanding of the measurement of plane and solid shapes and use this understanding to solve problems.
GRADE LEVEL EXPECTATION	1.1.	Understand the concept of a constant such as pi; know the formulas for the circumference and area of a circle.
GRADE LEVEL EXPECTATION	1.2.	Know common estimates of pi (3.14; 22/7) and use these values to estimate and calculate the circumference and the area of circles; compare with actual measurements.
GRADE LEVEL EXPECTATION	1.3.	Know and use the formulas for the volume of triangular prisms and cylinders (area of base x height); compare these formulas and explain the similarity between them and the formula for the volume of a rectangular solid.
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	2.0.	Students identify and describe the properties of two-dimensional figures.
GRADE LEVEL EXPECTATION	2.1.	Identify angles as vertical, adjacent, complementary, or supplementary and provide descriptions of these terms.
GRADE LEVEL EXPECTATION	2.2.	Use the properties of complementary and supplementary angles and the sum of the angles of a triangle to solve problems involving an unknown angle.

VersaTiles(R) Math Lab, Level 6, Book 8: Data and Chance

Summary: VersaTiles(R) Math Lab, Level 6, Book 8 (Data and Chance) addresses the following skills within the Statistics and Probability Strand: Reading and Interpreting Tables; Reading and Interpreting Graphs; Analyzing Data; Listing Outcomes; Independent/Dependent Events; Making Predictions; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912006-8)

**California Content Standards
Mathematics
Grade: 6**

CONTENT STANDARD	CA.SDAP.	Statistics, Data Analysis, and Probability
PERFORMANCE STANDARD	1.0.	Students compute and analyze statistical measurements for data sets.
GRADE LEVEL EXPECTATION	1.1.	Compute the range, mean, median, and mode of data sets.
CONTENT STANDARD	CA.SDAP.	Statistics, Data Analysis, and Probability
PERFORMANCE STANDARD	3.0.	Students determine theoretical and experimental probabilities and use these to make predictions about events.
GRADE LEVEL EXPECTATION	3.2.	Use data to estimate the probability of future events (e.g., batting averages or number of accidents per mile driven).
GRADE LEVEL EXPECTATION	3.3.	Represent probabilities as ratios, proportions, decimals between 0 and 1, and percentages between 0 and 100 and verify that the probabilities computed are reasonable; know that if P is the probability of an event, 1-P is the probability of an event not occurring.

VersaTiles(R) Math Lab, Level 7, Book 1: Rational Numbers

Summary: VersaTiles(R) Math Lab, Level 7, Book 1 (Rational Numbers) addresses the following skills within the Number and Number Concepts Strand: Naming Whole Numbers; Comparing and Ordering Whole Numbers; Identifying Whole Numbers; Naming Fractions and Mixed Numbers; Naming Decimals; Comparing and Ordering Decimals; Naming Ratios; Naming Integers; Rounding Whole Numbers, Fractions, and Decimals; Comparing and Ordering Rational Numbers; Renaming Rational Numbers; Number Theory; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-1)

California Content Standards
Mathematics
Grade: 7

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students know the properties of, and compute with, rational numbers expressed in a variety of forms.
GRADE LEVEL EXPECTATION	1.1.	Read, write, and compare rational numbers in scientific notation (positive and negative powers of 10), compare rational numbers in general.
GRADE LEVEL EXPECTATION	1.2.	Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.
GRADE LEVEL EXPECTATION	1.3.	Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
GRADE LEVEL EXPECTATION	1.5.	Know that every rational number is either a terminating or repeating decimal and be able to convert terminating decimals into reduced fractions.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	1.0.	Students express quantitative relationships by using algebraic terminology, expressions, equations, inequalities, and graphs.
GRADE LEVEL EXPECTATION	1.3.	Simplify numerical expressions by applying properties of rational numbers (e.g., identity, inverse, distributive, associative, commutative) and justify the process used.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	2.0.	Students interpret and evaluate expressions involving integer powers and simple roots.
GRADE LEVEL EXPECTATION	2.1.	Interpret positive whole-number powers as repeated multiplication and negative whole-number powers as repeated division or multiplication by the multiplicative inverse. Simplify and evaluate expressions that include exponents.

VersaTiles(R) Math Lab, Level 7, Book 2: Decimal Operations

Summary: VersaTiles(R) Math Lab, Level 7, Book 2 (Decimal Operations) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Estimating Quotients; Addition of Decimals; Subtraction of Decimals; Multiplication of Decimals; Division of Decimals; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-2)

California Content Standards
Mathematics
Grade: 7

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students know the properties of, and compute with, rational numbers expressed in a variety of forms.
GRADE LEVEL EXPECTATION	1.2.	Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.

VersaTiles(R) Math Lab, Level 7, Book 3: Fraction Operations

Summary: VersaTiles(R) Math Lab, Level 7, Book 3 (Fraction Operations) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Addition of Fractions and Mixed Numbers; Subtraction of Fractions and Mixed Numbers; Multiplication of Fractions; Division of Fractions; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-3)

**California Content Standards
Mathematics
Grade: 7**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students know the properties of, and compute with, rational numbers expressed in a variety of forms.
GRADE LEVEL EXPECTATION	1.2.	Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.
CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	2.0.	Students use exponents, powers, and roots and use exponents in working with fractions.
GRADE LEVEL EXPECTATION	2.2.	Add and subtract fractions by using factoring to find common denominators.

VersaTiles(R) Math Lab, Level 7, Book 4: Integer Operations

Summary: VersaTiles(R) Math Lab, Level 7, Book 4 (Integer Operations) addresses the following skills within the Estimation and Computation Strand: Addition of Integers; Subtraction of Integers; Multiplication of Integers; Division of Integers; Regrouping, Rounding, and Renaming Numbers; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-4)

**California Content Standards
Mathematics
Grade: 7**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students know the properties of, and compute with, rational numbers expressed in a variety of forms.
GRADE LEVEL EXPECTATION	1.1.	Read, write, and compare rational numbers in scientific notation (positive and negative powers of 10), compare rational numbers in general.
GRADE LEVEL EXPECTATION	1.2.	Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.

VersaTiles(R) Math Lab, Level 7, Book 5: Ratios, Proportions, and Percents
 Summary: VersaTiles(R) Math Lab, Level 7, Book 5 (Ratios, Proportions, and Percents) addresses the following skills within the Estimation and Computation Strand: Ratios and Proportions; Percents; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-5)

**California Content Standards
Mathematics
Grade: 7**

CONTENT STANDARD	CA.NS.	Number Sense
PERFORMANCE STANDARD	1.0.	Students know the properties of, and compute with, rational numbers expressed in a variety of forms.
GRADE LEVEL EXPECTATION	1.3.	Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
GRADE LEVEL EXPECTATION	1.6.	Calculate the percentage of increases and decreases of a quantity.
GRADE LEVEL EXPECTATION	1.7.	Solve problems that involve discounts, markups, commissions, and profit and compute simple and compound interest.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	4.0.	Students solve simple linear equations and inequalities over the rational numbers.
GRADE LEVEL EXPECTATION	4.2.	Solve multistep problems involving rate, average speed, distance, and time or a direct variation.
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	1.0.	Students choose appropriate units of measure and use ratios to convert within and between measurement systems to solve problems.
GRADE LEVEL EXPECTATION	1.2.	Construct and read drawings and models made to scale.
GRADE LEVEL	1.3.	Use measures expressed as rates (e.g., speed, density) and measures expressed as

EXPECTATION		products (e.g., person-days) to solve problems; check the units of the solutions; and use dimensional analysis to check the reasonableness of the answer.
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VersaTiles(R) Math Lab, Level 7, Book 6: Equations and Functions

Summary: VersaTiles(R) Math Lab, Level 7, Book 6 (Equations and Functions) addresses the following skills within the Patterns, Functions, and Algebra Strand: Number Patterns; Expressions; Equations; Graphing; Algebra; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-6)

California Content Standards
Mathematics
Grade: 7

CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	1.0.	Students express quantitative relationships by using algebraic terminology, expressions, equations, inequalities, and graphs.
GRADE LEVEL EXPECTATION	1.1.	Use variables and appropriate operations to write an expression, an equation, an inequality, or a system of equations or inequalities that represents a verbal description (e.g., three less than a number, half as large as area A).
GRADE LEVEL EXPECTATION	1.5.	Represent quantitative relationships graphically and interpret the meaning of a specific part of a graph in the situation represented by the graph.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	3.0.	Students graph and interpret linear and some nonlinear functions.
GRADE LEVEL EXPECTATION	3.3.	Graph linear functions, noting that the vertical change (change in y-value) per unit of horizontal change (change in x-value) is always the same and know that the ratio (rise over run) is called the slope of a graph.
GRADE LEVEL EXPECTATION	3.4.	Plot the values of quantities whose ratios are always the same (e.g., cost to the number of an item, feet to inches, circumference to diameter of a circle). Fit a line to the plot and understand that the slope of the line equals the quantities.
CONTENT STANDARD	CA.AF.	Algebra and Functions
PERFORMANCE STANDARD	4.0.	Students solve simple linear equations and inequalities over the rational numbers.
GRADE LEVEL EXPECTATION	4.2.	Solve multistep problems involving rate, average speed, distance, and time or a direct variation.
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	2.0.	Students compute the perimeter, area, and volume of common geometric objects and use the results to find measures of less common objects. They know how perimeter, area, and volume are affected by changes of scale.
GRADE LEVEL EXPECTATION	2.1.	Use formulas routinely for finding the perimeter and area of basic two-dimensional figures and the surface area and volume of basic three-dimensional figures, including rectangles, parallelograms, trapezoids, squares, triangles, circles, prisms, and cylinders.

VersaTiles(R) Math Lab, Level 7, Book 7: Measurement and Geometry
 Summary: VersaTiles(R) Math Lab, Level 7, Book 7 (Measurement and Geometry) addresses the following skills within the Geometry and Measurement Strand: Identifying 2- and 3- dimensional Shapes; Plane Figures; Congruencies and Similarities; Transformations; Distance Around Figures; Area; Surface Area; Volume; Measuring Angles; Conversion of Units; Triangles; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-7)

**California Content Standards
 Mathematics
 Grade: 7**

CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	1.0.	Students choose appropriate units of measure and use ratios to convert within and between measurement systems to solve problems.
GRADE LEVEL EXPECTATION	1.1.	Compare weights, capacities, geometric measures, times, and temperatures within and between measurement systems (e.g., miles per hour and feet per second, cubic inches to cubic centimeters).
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	2.0.	Students compute the perimeter, area, and volume of common geometric objects and use the results to find measures of less common objects. They know how perimeter, area, and volume are affected by changes of scale.
GRADE LEVEL EXPECTATION	2.1.	Use formulas routinely for finding the perimeter and area of basic two-dimensional figures and the surface area and volume of basic three-dimensional figures, including rectangles, parallelograms, trapezoids, squares, triangles, circles, prisms, and cylinders.
GRADE LEVEL EXPECTATION	2.2.	Estimate and compute the area of more complex or irregular two- and three-dimensional figures by breaking the figures down into more basic geometric objects.
CONTENT STANDARD	CA.MG.	Measurement and Geometry
PERFORMANCE STANDARD	3.0.	Students know the Pythagorean theorem and deepen their understanding of plane and solid geometric shapes by constructing figures that meet given conditions and by identifying attributes of figures.
GRADE LEVEL EXPECTATION	3.2.	Understand and use coordinate graphs to plot simple figures, determine lengths and areas related to them, and determine their image under translations and reflections.
GRADE LEVEL EXPECTATION	3.4.	Demonstrate an understanding of conditions that indicate two geometrical figures are congruent and what congruence means about the relationships between the sides and angles of the two figures.

VersaTiles(R) Math Lab, Level 7, Book 8: Graphs and Data
 Summary: VersaTiles(R) Math Lab, Level 7, Book 8 (Graphs and Data) addresses the following skills within the Statistics and Probability Strand: Reading and Interpreting Tables; Reading and Interpreting Graphs; Analyzing Data; Listing Outcomes; Independent/Dependent Events; Making Predictions; Combinations and Permutations; and Problem-Solving. Using VersaTiles Student

Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912007-8)

**California Content Standards
Mathematics
Grade: 7**

CONTENT STANDARD	CA.SDAP.	Statistics, Data Analysis, and Probability
PERFORMANCE STANDARD	1.0.	Students collect, organize, and represent data sets that have one or more variables and identify relationships among variables within a data set by hand and through the use of an electronic spreadsheet software program.
GRADE LEVEL EXPECTATION	1.1.	Know various forms of display for data sets, including a stem-and-leaf plot or box-and-whisker plot; use the forms to display a single set of data or to compare two sets of data.
GRADE LEVEL EXPECTATION	1.3.	Understand the meaning of, and be able to compute, the minimum, the lower quartile, the median, the upper quartile, and the maximum of a data set.

VersaTiles(R) Math Lab, Level 8, Book 1: Real Numbers
Summary: VersaTiles(R) Math Lab, Level 8, Book 1 (Real Numbers) addresses the following skills within the Number and Number Concepts Strand: Naming Whole Numbers; Identifying Whole Numbers; Naming Fractions and Mixed Numbers; Naming Decimals; Naming Ratios; Naming Integers; Rounding Whole Numbers, Fractions, and Decimals; Comparing and Ordering Rational Numbers; Renaming Rational Numbers; Number Theory; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-1)

**California Content Standards
Mathematics
Grade: 8**

CONTENT STANDARD	CA.AI.	Algebra I
PERFORMANCE STANDARD	2.0.	Students understand and use such operations as taking the opposite, finding the reciprocal, taking a root, and raising to a fractional power. They understand and use the rules of exponents.
CONTENT STANDARD	CA.AI.	Algebra I

PERFORMANCE STANDARD	25.0.	Students use properties of the number system to judge the validity of results, to justify each step of a procedure, and to prove or disprove statements.
GRADE LEVEL EXPECTATION	25.2.	Students judge the validity of an argument according to whether the properties of the real number system and the order of operations have been applied correctly at each step.
CONTENT STANDARD	CA.AII.	Algebra II
PERFORMANCE STANDARD	19.0.	Students use combinations and permutations to compute probabilities.
CONTENT STANDARD	CA.APPS.	Advanced Placement Probability and Statistics
PERFORMANCE STANDARD	5.0.	Students know the definition of the mean of a discrete random variable and can determine the mean for a particular discrete random variable.

VersaTiles(R) Math Lab, Level 8, Book 2: Calculations with Decimals

Summary: VersaTiles(R) Math Lab, Level 8, Book 2 (Calculations with Decimals) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Estimating Quotients; Addition of Decimals; Subtraction of Decimals; Multiplication of Decimals; Division of Decimals; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-2)

VersaTiles(R) Math Lab, Level 8, Book 3: Calculations with Fractions

Summary: VersaTiles(R) Math Lab, Level 8, Book 3 (Calculations with Fractions) addresses the following skills within the Estimation and Computation Strand: Estimating Sums; Estimating Differences; Estimating Products; Addition of Fractions and Mixed Numbers; Subtraction of Fractions and Mixed Numbers; Multiplication of Fractions; Division of Fractions; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-3)

California Content Standards

Mathematics

Grade: 8

CONTENT	CA.AI.	Algebra I
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STANDARD		
PERFORMANCE STANDARD	2.0.	Students understand and use such operations as taking the opposite, finding the reciprocal, taking a root, and raising to a fractional power. They understand and use the rules of exponents.

VersaTiles(R) Math Lab, Level 8, Book 4: Calculations with Integers

Summary: VersaTiles(R) Math Lab, Level 8, Book 4 (Calculations with Integers) addresses the following skills within the Estimation and Computation Strand: Addition of Integers; Subtraction of Integers; Multiplication of Integers; Division of Integers; Regrouping, Rounding, and Renaming Numbers; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-4)

VersaTiles(R) Math Lab, Level 8, Book 5: Ratios, Percents, and Proportions

Summary: VersaTiles(R) Math Lab, Level 8, Book 5 (Ratios, Percents, and Proportions) addresses the following skills within the Estimation and Computation Strand: Ratios and Proportions; Percents; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-5)

VersaTiles(R) Math Lab, Level 8, Book 6: Algebra and Functions

Summary: VersaTiles(R) Math Lab, Level 8, Book 6 (Algebra and Functions) addresses the following skills within the Patterns, Functions, and Algebra Strand: Number Patterns; Function Machines; Expressions; Equations; Graphing; Algebra; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing

practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-6)

**California Content Standards
Mathematics
Grade: 8**

CONTENT STANDARD	CA.AI.	Algebra I
PERFORMANCE STANDARD	4.0.	Students simplify expressions before solving linear equations and inequalities in one variable, such as $3(2x-5) + 4(x-2) = 12$.
PERFORMANCE STANDARD	5.0.	Students solve multistep problems, including word problems, involving linear equations and linear inequalities in one variable and provide justification for each step.
PERFORMANCE STANDARD	9.0.	Students solve a system of two linear equations in two variables algebraically and are able to interpret the answer graphically. Students are able to solve a system of two linear inequalities in two variables and to sketch the solution sets.
PERFORMANCE STANDARD	15.0.	Students apply algebraic techniques to solve rate problems, work problems, and percent mixture problems.
CONTENT STANDARD	CA.G.	Geometry
PERFORMANCE STANDARD	15.0.	Students use the Pythagorean theorem to determine distance and find missing lengths of sides of right triangles.
PERFORMANCE STANDARD	18.0.	Students know the definitions of the basic trigonometric functions defined by the angles of a right triangle. They also know and are able to use elementary relationships between them. For example, $\tan(x) = \sin(x)/\cos(x)$, $(\sin(x))^2 + (\cos(x))^2 = 1$.
PERFORMANCE STANDARD	19.0.	Students use trigonometric functions to solve for an unknown length of a side of a right triangle, given an angle and a length of a side.
CONTENT STANDARD	CA.T.	Trigonometry
PERFORMANCE STANDARD	2.0.	Students know the definition of sine and cosine as y- and x-coordinates of points on the unit circle and are familiar with the graphs of the sine and cosine functions.
PERFORMANCE STANDARD	5.0.	Students know the definitions of the tangent and cotangent functions and can graph them.
PERFORMANCE STANDARD	7.0.	Students know that the tangent of the angle that a line makes with the x- axis is equal to the slope of the line.
PERFORMANCE STANDARD	12.0.	Students use trigonometry to determine unknown sides or angles in right triangles.

VersaTiles(R) Math Lab, Level 8, Book 7: Geometry and Measurement

Summary: VersaTiles(R) Math Lab, Level 8, Book 7 (Geometry and Measurement) addresses the following skills within the Geometry and Measurement Strand: Identifying 2- and 3- dimensional Shapes; Plane Figures; Congruencies and Similarities; Transformations; Distance Around Figures; Area; Surface Area; Volume; Measuring Angles; Conversion of Units; Triangles; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies

each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-7)

**California Content Standards
Mathematics
Grade: 8**

CONTENT STANDARD	CA.G.	Geometry
PERFORMANCE STANDARD	1.0.	Students demonstrate understanding by identifying and giving examples of undefined terms, axioms, theorems, and inductive and deductive reasoning.
PERFORMANCE STANDARD	7.0.	Students prove and use theorems involving the properties of parallel lines cut by a transversal, the properties of quadrilaterals, and the properties of circles.
PERFORMANCE STANDARD	8.0.	Students know, derive, and solve problems involving the perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures.
PERFORMANCE STANDARD	9.0.	Students compute the volumes and surface areas of prisms, pyramids, cylinders, cones, and spheres; and students commit to memory the formulas for prisms, pyramids, and cylinders.
PERFORMANCE STANDARD	10.0.	Students compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.
PERFORMANCE STANDARD	12.0.	Students find and use measures of sides and of interior and exterior angles of triangles and polygons to classify figures and solve problems.
PERFORMANCE STANDARD	22.0.	Students know the effect of rigid motions on figures in the coordinate plane and space, including rotations, translations, and reflections.
CONTENT STANDARD	CA.T.	Trigonometry
PERFORMANCE STANDARD	1.0.	Students understand the notion of angle and how to measure it, in both degrees and radians. They can convert between degrees and radians.

VersaTiles(R) Math Lab, Level 8, Book 8: Statistics and Probability
 Summary: VersaTiles(R) Math Lab, Level 8, Book 8 (Statistics and Probability) addresses the following skills within the Statistics and Probability Strand: Reading and Interpreting Tables; Reading and Interpreting Graphs; Analyzing Data; Listing Outcomes; Independent/Dependent Events; Making Predictions; Combinations and Permutations; and Problem-Solving. Using VersaTiles Student Activity Books and self-correcting Answer Cases, students learn and practice key math concepts and vocabulary and build critical thinking skills. Math strands include numbers and number concepts; estimation and computation; patterns, functions, and algebra; geometry and measurement; and data and probability. Each VersaTiles Math Lab for Levels 1-8 includes 40 colorful, nonconsumable Student Activity Books (five copies each of eight titles), providing practice and reinforcement with standards-based, leveled activities; a comprehensive Teacher's Resource Guide, featuring classroom management tips, assessment options, student/class record charts, blackline masters, benchmark activities, Scope and Sequence, and eight reproducible Formal Tests with answer keys and correlations to the Student Activity Books; and 10 self-correcting Answer Cases. Also available: companion CD-ROM, featuring all the self-checking activities from the Student Activity Books. (912008-8)

**California Content Standards
Mathematics
Grade: 8**

CONTENT	CA.AII.	Algebra II
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STANDARD		
PERFORMANCE STANDARD	18.0.	Students use fundamental counting principles to compute combinations and permutations.
PERFORMANCE STANDARD	19.0.	Students use combinations and permutations to compute probabilities.
CONTENT STANDARD	CA.PS.	Probability and Statistics
PERFORMANCE STANDARD	1.0.	Students know the definition of the notion of independent events and can use the rules for addition, multiplication, and complementation to solve for probabilities of particular events in finite sample spaces.
PERFORMANCE STANDARD	3.0.	Students demonstrate an understanding of the notion of discrete random variables by using them to solve for the probabilities of outcomes, such as the probability of the occurrence of five heads in 14 coin tosses.
CONTENT STANDARD	CA.APPS.	Advanced Placement Probability and Statistics
PERFORMANCE STANDARD	1.0.	Students solve probability problems with finite sample spaces by using the rules for addition, multiplication, and complementation for probability distributions and understand the simplifications that arise with independent events.
PERFORMANCE STANDARD	3.0.	Students demonstrate an understanding of the notion of discrete random variables by using this concept to solve for the probabilities of outcomes, such as the probability of the occurrence of five or fewer heads in 14 coin tosses.
PERFORMANCE STANDARD	5.0.	Students know the definition of the mean of a discrete random variable and can determine the mean for a particular discrete random variable.