Table of Contents Sequence List

SC375-082313

...in order to close an achievement gap for any group of students, you must close the gaps in knowledge for the individual students in that group.

Unit 0

1. Introduction
2. How to take the placement tests
3. Placement Test I
4. Placement Test II
5. Placement Test III
6. Placement Test IV
7. Placement Test V
8. Placement Test VI
9. Placement Test VII
10. Placement Test VIII
11. Placement Test IX
12. Placement Test X

Unit A

1. Numbers 0-10
    1. Read and Write Numbers 0-10
    2. Counting 0-10: Count a Whole Set of Objects
    3. Counting 0-10: Count from Set of Objects
    4. Counting 0-10: Missing Number
    5. Counting 0-10: Counting On from a Number
2. Comparing Numbers 0-10
    1. Comparing Sets 0-10
    2. Comparing Numbers 0-10
    3. 1 or 2 More or Less 0-10
    4. Comparing Numbers with Symbols 0-10
3. Addition 0-10
    1. Addition: Counting All 0-10
    2. Addition: Counting On 0-10
    3. Addition 0-10
4. Subtraction 0-10
    1. Missing Addend 0-10
    2. Subtraction Definition
    3. Subtraction 0-10
5. Numbers 11-20
    1. Read and Write Numbers 11-20
    2. Rational Counting 11-20
    3. Counting: Missing Number 11-20
    4. Counting 11-20
    5. Counting as Addition
6. Comparing 11-20
    1. Counting: 1 or 2 more or less 11-20
    2. Comparing Numbers 11-20
7. Addition 11-20
    1. Addition 11-20: No Regrouping
    2. Addition 11-20: Regrouping
    3. Addition - Three Numbers
8. Subtraction 11-20
    1. Subtraction 11-20: No Regrouping
    2. Subtraction 11-20: Regrouping
9. Equivalent Forms 11-20
    1. Equivalent Forms: Addition 11-20
    2. Equivalent Forms: Subtraction 11-20
    3. Equivalent Forms: Addition and Subtraction 11-20
10. Numbers 21-100 (I)
    1. Read and Write Numbers: By Ten 21-100
    2. Read and Write Numbers 21-100
    3. Reading Numbers in Context 21-100
11. Numbers 21-100 (II)
    1. Counting with Place Value 21-100
    2. Expanded Forms 21-100
    3. Counting: 1 or 2 more or less 21-100
    4. Comparing Numbers 21-100
    5. Make Numbers from Digits: 2 digits

Unit B

1. Addition: Two Digit
    1. Two Digit Addition: No Regrouping - All Steps With Place Value Table
    2. Two Digit Addition: No Regrouping - All Steps Without Place Value Table
    3. Two Digit Addition: Regrouping - All Steps With Place Value Table
    4. Two Digit Addition: Regrouping - All Steps Without Place Value Table
    5. Two Digit Addition: Answer Only
2. Subtraction: Two Digit
    1. Two Digit Subtraction: No Regrouping - All Steps With Place Value Table
    2. Two Digit Subtraction: No Regrouping - All Steps Without Place Value Table
    3. Two Digit Subtraction: Regrouping - All Steps With Place Value Table
    4. Two Digit Subtraction: Regrouping - All Steps Without Place Value Table
    5. Two Digit Subtraction: Answer Only
3. Counting To 1000
    1. Read and Write with Place Value to 1000
    2. Counting to 1000
    3. Write Numbers from Words to 1000
    4. Write Words from Numbers to 1000

- 5 Write Numbers from Words in Context to 1000
- 4 Place Value to 1000
  - 1 Identify Place Value to 1000
  - 2 Expanded Forms to 1000
  - 3 Number Lines
  - 4 Rounding
- 5 Comparing Numbers to 1000
  - 1 Compare Numbers to 1000
  - 2 Counting: More or Less 21-100
  - 3 Make Number from Digits: 3 digits
- 6 Addition: 3 digits
  - 1 Three Digit Addition: With Place Value Table
  - 2 Three Digit Addition: Without Place Value Table
  - 3 Three Digit Addition: Answer Only
- 7 Subtraction: 3 Digit
  - 1 Three Digit Subtraction: Place Value Table
  - 2 Three Digit Subtraction: All Steps Onscreen
  - 3 Three Digit Subtraction: Zeros - Place Value Table
  - 4 Three Digit Subtraction: Zeros - All Steps Onscreen
  - 5 Three Digit Subtraction: Answer Only
- 8 Place Value and Expanded Notation
  - 1 Read and Write with Place Value to 10000
  - 2 Identify to Place Values to 10000
  - 3 Find Missing Number in Expanded Notation
  - 4 Write Number in Expanded Notation
  - 5 Write a Number From Expanded Notation
- 9 Comparing Numbers: 4 digits
  - 1 Counting: more or less
  - 2 Ordering Numbers
  - 3 Number Lines
- 10 Addition and Subtraction: 4 digits
  - 1 Addition: 4 digits
  - 2 Subtraction: 4 digits

Unit C

- 1 Multiplication 2, 5, 10
  - 1 Multiplication (2,5,10): Multiplication as Repeated Addition
  - 2 Multiplication (2,5,10): Using Repeated Addition
  - 3 Multiplication (2,5,10): Counting by a Number
  - 4 Multiplication (2,5,10): Counting by a Number to do Multiplication
  - 5 Multiplication (2,5,10): Multiplication as Arrays
  - 6 Multiplication: 2, 5, 10
- 2 Multiplication 0-10
  - 1 Multiplication (0-10): Using Repeated Addition
  - 2 Multiplication (3,4): Counting by a Number
  - 3 Multiplication(3,4): Counting by a Number to do Multiplication
  - 4 Multiplication: 0-10
- 3 Properties of Multiplication
  - 1 Multiplication: Commutative Property
  - 2 Multiplication: Arrays
- 4 Division 0-10
  - 1 Division: Single Digit
  - 2 Division: Single Digit: With Remainder
  - 3 Division: Two Digit
  - 4 Division: Two Digit: With Remainder
- 5 Multiplication: Two Digit
  - 1 Two Digit Multiplication: No Regrouping - With Place Value Table
  - 2 Two Digit Multiplication: No Regrouping - All Steps
  - 3 Two Digit Multiplication: No Regrouping - Answer Only
  - 4 Two Digit Multiplication: Regrouping - With Place Value Table
  - 5 Two Digit Multiplication: Regrouping - All Steps
  - 6 Two Digit Multiplication: Regrouping - Answer Only
- 6 Multiplication: Two and Three Digit
  - 1 Two Digit Multiplication: Three Digit Answers - All Steps
  - 2 Two Digit Multiplication: Three Digit Answers - Answer Only
  - 3 Three Digit Multiplication: All Steps
  - 4 Three Digit Multiplication: Answer Only
- 7 Multiplication - Multidigit
  - 1 Multiplication: Four Digit
  - 2 Multiplication: Two-Digit by Two-Digit
  - 3 Multiplication: Three-Digit by Two-Digit
- 8 Division: Two Digit I
  - 1 Two Digit Division: No Regrouping - With Place Value Table
  - 2 Two Digit Division: No Regrouping - Answer Only
  - 3 Two Digit Division: Regrouping - With Place Value Table
  - 4 Two Digit Division: Regrouping - Answer Only
- 9 Division: Three and Four Digit
  - 1 Division: Introduction to Remainders
  - 2 How to Use the Format Wizard
  - 3 Two Digit Division: Remainders - With Place Value Table
  - 4 Two Digit Division: Remainders - Answer Only
  - 5 Three Digit Division
  - 6 Four Digit Division

7 Division: 2-Digit Divisor I
8 Division: 2-Digit Divisor II

Unit D

1 Multiplication Families
1 Multiplication Tables
2 Multiplication Families: Multiplication Statements
3 Multiplication Families: Missing Number
2 Applications
1 Applications: Multiply/Divide (I)
2 Applications: Multiply/Divide (II)
3 Applications: Multiply/Divide (III)
4 Applications: Multiply/Divide (IV)
5 Applications: Multiply/Divide (V)
6 Applications: Multiply/Divide (VI)
7 Applications: Multiply/Divide (VII)
8 Applications: Multiply/Divide (VIII)
3 Negative Numbers
1 Negative Numbers: Definition
2 Negative Numbers: Ordering on Number Line
3 Absolute Values
4 Size versus Absolute Value
5 Opposites
4 Integer Operations
1 Integer Addition: Adding a Negative Number
2 Integer Subtraction: Rewriting Subtraction as Addition
3 Integer Subtraction: Subtracting a Positive Number
4 Integer Subtraction: Subtracting a Negative Number
5 More Integer Operations
1 More Integer Addition I
2 More Integer Addition II
3 More Integer Subtraction
4 Integer Multiplication and Division
5 Order of Operations with Integers
6 Exponent Operations and Square Roots
1 Exponents: Definition
2 Negative Numbers Raised to a Power
3 Order of Operations with Exponents
4 Square Roots
7 Scientific Notation
1 Scientific Notation: Write in Standard Form
2 Scientific Notation: Write from Standard Form
8 Evaluating Numeric Expressions
1 Order of Operations with Grouping I
2 Order of Operations with Grouping II
3 Evaluate Absolute Value Expressions

Unit E

1 Introduction to Fractions
1 Fractions: The Bottom Number
2 Fractions: The Top Number
3 Fractions: Read and Write
4 Fractions: Numerator and Denominator
2 Fractions from Drawings
1 Writing Fractions from Drawings
2 Drawing Pictures from Fractions
3 Fractions as Part of a Set
3 Comparing Fractions
1 Comparing Fractions to 1
2 Comparing Unit Fractions on a Number Line
3 Comparing Fractions with a Common Denominator on a Number Line
4 Comparing Fractions with Different Denominators on a Number Line
5 Equivalent Fractions on a Number Line
4 Improper Fractions and Mixed Numbers I
1 Improper Fractions and Mixed Numbers
2 Mixed Numbers from Text
3 Improper Fractions as Whole Numbers
4 Whole Numbers as Improper Fractions
5 Improper Fractions and Mixed Numbers II
1 Improper Fractions as Mixed Numbers With Number Line
2 Improper Fractions as Mixed Numbers Without Number Line
3 Mixed Numbers as Improper Fractions
4 Mixed Numbers as Improper Fractions - Answer Only
6 Adding and Subtracting Fractions with Common Denominators
1 Adding and Subtracting Fractions with Pictures
2 Adding and Subtracting Fractions: All Steps
3 Adding and Subtracting Fractions: Answer Only

Unit F

1 Common Denominators
1 Equivalent Fractions: Expanding Fractions
2 Rewriting Fractions with Common Denominator: General Strategy
3 Rewriting Fractions with Common Denominator: One a Factor of the Other

- 4 Least Common Multiple (LCM)
- 5 Rewriting Fractions with LCM as Common Denominator

2 Adding and Subtracting Fractions with Different Denominators
- 1 Adding and Subtracting Fractions With Different Denominators
- 2 Adding and Subtracting Fractions With Different Denominators - Answer Only
- 3 Adding and Subtracting Mixed Numbers

3 Greatest Common Factor
- 1 Finding Missing Factors
- 2 Finding All Factors I
- 3 Finding All Factors II
- 4 Finding Greatest Common Factor

4 Reducing Fractions
- 1 Equivalent Fractions: Rewriting With Smaller Denominator
- 2 Equivalent Fractions: Rewriting With Smaller Denominator - Answer Only
- 3 Equivalent Fractions: Reducing Fractions to Simplest Terms - Answer Only

5 Multiplying Fractions
- 1 Fractions as Division
- 2 Multiplying Fractions
- 3 Multiplying Fractions by a Number Less Than, Greater Than, or Equal to 1

6 Multiplying Fractions and Mixed Numbers
- 1 Multiplying Fractions and Whole Numbers
- 2 Multiplying Mixed Numbers
- 3 Multiplying by Reciprocals

7 Operations with Fractions and Mixed Numbers
- 1 Dividing Fractions
- 2 Dividing Complex Fractions
- 3 Dividing Fractions by Whole Numbers
- 4 Dividing Mixed Numbers
- 5 Simplifying Fractions

Unit G

1 Decimals
- 1 Writing Fractions in Decimal Form
- 2 Writing Decimals As Fractions
- 3 Writing Decimals From Text
- 4 Fraction and Decimal Equivalents: Tenths and Hundredths
- 5 Fraction and Decimal Equivalents: Quarters and Halves

2 Comparing Decimals
- 1 Fractions and Decimals on Number Line
- 2 Comparing Decimals: With Words
- 3 Comparing Decimals: With Symbols
- 4 Comparing Decimals to Thousandths

3 Adding and Subtracting Decimals
- 1 Adding Decimals: All Steps
- 2 Adding Decimals: Answer Only
- 3 Subtracting Decimals: All Steps
- 4 Subtracting Decimals: Answer Only

4 Rounding
- 1 Rounding Whole Numbers
- 2 Rounding Decimals

5 Multiplying Decimals
- 1 Multiplying Decimals by Whole Numbers
- 2 Multiplying Decimals by Decimals

6 Dividing Decimals
- 1 Dividing Decimals by Whole Numbers: No Remainder
- 2 Dividing Decimals by Whole Numbers: Terminating Remainders
- 3 Dividing Whole Numbers by Whole Numbers: Decimal Answers - Terminating Remainders
- 4 Dividing Whole Numbers by Whole Numbers: Repeating Decimals
- 5 Dividing Whole Numbers by Whole Numbers: Decimal Answers - Non-terminating Remainders
- 6 Dividing Whole Numbers by Decimals
- 7 Dividing Decimals by Decimals

Unit H

1 Introduction to Percents
- 1 Definition of Percent
- 2 Writing Percents as Decimals
- 3 Writing Decimals as Percents
- 4 Percents as Complex Fractions

2 Calculating with Percents
- 1 Multiplying a Number by a Percent
- 2 Calculating a Percent of a Number
- 3 A Number as a Percent of Another Number
- 4 Increase or Decrease by a Percent

3 Percents: Applications
- 1 Applications: Discount, Interest, and Tips
- 2 Applications: Percent Change

4 Applications with Fractions and Decimals
- 1 Applications: Fractions: All Operations
- 2 Applications: Fractions: Multiplication/Division: Fraction of a Number
- 3 Applications: Fractions: Multiplication/Division: Times As Many As
- 4 Applications: Decimals: All Operations

5 Units of Measure
- 1 U.S. Customary Units of Length and Weight

- 2 U.S. Customary Units of Capacity
- 3 Metric System: Base Units
- 4 Metric System Prefixes: Less than 1
- 5 Metric System Prefixes: Greater than 1

6 Unit Conversion
- 1 Measurement Conversions: U.S. Customary
- 2 Measurement Conversions: Metric
- 3 Measurement Conversions: Between Systems

7 Ratios and Rates
- 1 Ratios
- 2 Ratio Notation
- 3 Applications: Rates
- 4 Unit Cost
- 5 Proportions: Definition

Unit I

1 Prime Numbers and Central Tendency Measures
- 1 Measures of Center: Mean
- 2 Prime Numbers
- 3 Prime Factorization
- 4 Prime Factorization: Answer Only

2 Perimeter, Area, and Circumference
- 1 Perimeter
- 2 Area
- 3 Area of Parallelogram
- 4 Area of Triangle
- 5 Circumference of a Circle
- 6 Area of a Circle

3 Angles and Volume
- 1 Complementary and Supplementary Angles
- 2 Introduction to Vertical Angles
- 3 Missing Angles
- 4 Volume: Boxes
- 5 Volume: Cylinders

Unit J

1 Algebraic Expressions
- 1 Introduction to Variables
- 2 Writing Algebraic Expressions from Words: Addition
- 3 Writing Algebraic Expressions from Words: Multiplication
- 4 Writing Algebraic Expressions from Words: Addition or Multiplication
- 5 Writing Algebraic Expressions from Words: Both Addition and Multiplication

2 Operations and Properties
- 1 Taking the Opposite
- 2 Finding the Reciprocal
- 3 Identity Properties
- 4 Inverse Properties
- 5 Distributive Property
- 6 Commutative Properties
- 7 Associative Properties
- 8 Simplify Using Properties

3 Evaluating Expressions
- 1 Evaluating Expressions: One Operation
- 2 Evaluating Expressions: Multiple Operations (Order of Operations)
- 3 Evaluating Expressions: With Parentheses (Order of Operations)
- 4 Evaluating Expressions: Multiple Variables

4 Linear Equations in One Variable I
- 1 One Step Linear Equations: Addition
- 2 One Step Linear Equations: Multiplication
- 3 Two Step Linear Equations: All Steps
- 4 Two Step Linear Equations: Answer Only

5 Linear Equations in One Variable II
- 1 Solving Linear Equations with Fractions - Eliminating Same
- 2 Solving Linear Equations with Fractions - Eliminating Opposite
- 3 Linear Equations with Decimals
- 4 Simplify Linear Expressions
- 5 Two Step Linear Equations: Simplify then Solve
- 6 Linear Equations with Variables on Both Sides
- 7 Linear Equations with Infinite or No Solutions

6 Proportions
- 1 Proportions: Writing as Equations
- 2 Proportions: Cross Multiplication
- 3 Proportions: Solve Problems with Cross Multiplication

Unit K

1 Coordinate Grids
- 1 Coordinate Grids
- 2 Coordinate Grids: Four Quadrants

2 Linear Equations in Two Variables: Introduction
- 1 Equations as Prescriptions
- 2 Making Tables from Equations

3 Linear Equations in Two Variables: Graphing I
- 1 Linear Equations: Drawing Graphs from Tables

- 2 Linear Equations: Drawing Graphs by Making Tables
- 3 Linear Equations: Finding Slope from Graphs
- 4 Linear Equations: Slope from Two Points
- 5 Linear Equations: Midpoint Formula

4 Linear Equations in Two Variables: Graphing II

- 1 Linear Equations: Writing Equations from Graphs
- 2 Linear Equations: Drawing Graphs from Equations
- 3 Linear Equations: Slope Applications
- 4 Linear Equations: Direction of Slope
- 5 Coordinate Grids: Interpret Graphed Data
- 6 Linear Equations: Horizontal and Vertical Lines

5 Linear Equations in Two Variables: Solving I

- 1 Solving an Equation for One Variable
- 2 Solving an Equation for One Variable - Actual Formulas
- 3 Forms of Linear Equations

6 Linear Equations in Two Variables: Solving II

- 1 Intercepts
- 2 Parallel Linear Equations
- 3 Perpendicular Linear Equations
- 4 Verifying Solutions to Linear Equations

7 Linear Equations in Two Variables: Writing

- 1 Writing Linear Equations: Slope and Point
- 2 Writing Linear Equations: Two Points
- 3 Writing Linear Equations: Point and Parallel Line
- 4 Writing Linear Equations: Point and Perpendicular Line

Unit L

1 Linear Inequalities: Introduction

- 1 Solving One Step Linear Inequalities
- 2 Solving Two Step Linear Inequalities

2 Linear Inequalities in One Variable: Solving

- 1 Graphing Solutions to Inequalities
- 2 Graphing Solutions to Compound Inequalities I
- 3 Graphing Solutions to Compound Inequalities II
- 4 Set Builder Notation
- 5 Interval Notation
- 6 More Complex Linear Inequalities
- 7 Solving Compound Inequalities

3 Applications: Linear Equations and Inequalities

- 1 Applications: Linear Equations - All Steps
- 2 Applications: Linear Equations - Answer Only
- 3 Applications: Linear Inequalities

4 Absolute Value Equations and Inequalities

- 1 Basic Absolute Value Equations
- 2 Absolute Value Equations II
- 3 Absolute Value Equations III
- 4 Absolute Value Inequalities I
- 5 Absolute Value Inequalities II
- 6 Absolute Value Inequalities III
- 7 Absolute Value Inequalities IV

5 Applications I

- 1 Introduction to Problem Solving I
- 2 Introduction to Problem Solving II
- 3 Introduction to Problem Solving III
- 4 Formulas and Problem Solving I
- 5 Formulas and Problem Solving II

Unit M

1 Exponent Operations I

- 1 Multiplying Exponents
- 2 Negative Exponents: Definition
- 3 Negative Exponents in the Denominator
- 4 Raising a Power to a Power

2 Exponent Operations II

- 1 Multiply with Negative Exponents
- 2 Multiply Fractions with Exponents
- 3 Divide Exponents

3 Polynomials

- 1 Polynomials
- 2 Combining Like Terms
- 3 Adding Polynomials
- 4 Multiplying Polynomials by Whole Numbers
- 5 Subtracting Polynomials

4 Polynomials and Greatest Common Factors

- 1 Multiplying Monomials by Monomials
- 2 Multiplying Polynomials by Monomials
- 3 Greatest Common Factor of Monomials
- 4 Factoring out Greatest Common Factor

5 Multiplying Polynomials

- 1 Multiplying Binomials by Binomials
- 2 Multiplying Binomials by Trinomials
- 3 Binomials raised to a power

Unit N

1 Factoring Trinomials: Leading Coefficient of 1
    1 Factoring Trinomials Preparation
    2 Factoring Trinomials I
    3 Factoring Trinomials II
    4 Factoring Trinomials III
    5 Factoring Trinomials IV
2 Factoring Trinomials: Leading Coefficient not 1
    1 Factoring Trinomials I
    2 Factoring Trinomials II
3 Factoring Trinomials: Special Cases
    1 Factoring Perfect Square Trinomials I
    2 Factoring Perfect Square Trinomials II
    3 Multiplying Conjugate Pairs
    4 Factoring Difference of Two Squares
    5 Factoring Difference of Cubes
    6 Factoring Sum of Cubes
4 Advanced Factoring
    1 Factoring the GCF then the Polynomial
    2 Factoring by Grouping
    3 Factoring Polynomials with More Than One Variable
5 Solving Quadratic Equations
    1 Zero Product Principle
    2 Solving Quadratic Equations by Factoring I
    3 Solving Quadratic Equations by Factoring II
    4 Solving Quadratic Equations by Factoring III
6 Polynomial Long Division
    1 Polynomial Long Division I
    2 Polynomial Long Division II

Unit O

1 Systems of Two Linear Equations
    1 Systems of Linear Equations: Graphing
    2 Systems of Linear Equations: Substitution
    3 Systems of Linear Equations: Elimination I
    4 Systems of Linear Equations: Elimination II
2 Linear Inequalities in Two Variables: Solving
    1 Linear Inequalities in Two Variables
    2 Systems of Linear Inequalities in Two Variables
3 Applications II
    1 Interpreting Motion Problems I
    2 Interpreting Motion Problems II
    3 Interpreting Motion Problems III
    4 Interpreting Value Problems
    5 Interpreting Investment Problems
4 Applications III
    1 Setting up Equations I
    2 Setting up Equations II
    3 Setting up Equations III
    4 Solving Problems I
    5 Solving Problems II
5 Applications IV
    1 Formulas and Problem Solving with Solutions
    2 Interpreting Solution Problems
    3 Solving Solution Problems
    4 Solving Other Mixture Problems
    5 Solving All Mixture Problems
    6 Wind and Current I
    7 Wind and Current II

Unit P

1 Radicals I
    1 Radicals: Definition
    2 Radicals: Negative Numbers
    3 Simplifying Whole Number Radicals
    4 Adding and Subtracting Radicals
    5 Multiplying Radicals
    6 Multiplying Radicals II
2 Radicals II
    1 Simplifying Radicals: Rational Numbers
    2 Rationalizing the Denominator
    3 Dividing Radicals
    4 Simplifying Radicals: One Variable
    5 Simplifying Radicals: Two Variables
3 Radicals III and the Pythagorean Theorem
    1 Multiplying Radicals with Variables
    2 Dividing Radicals with Variables
    3 Solving Radical Equations
    4 Introduction to the Pythagorean Theorem
    5 Pythagorean Theorem with Real Numbers
    6 The Distance Formula
4 Functions
    1 Functions: Definitions

2 Functions: Notation
3 Functions: Vertical Line Test

5 Graphing Quadratic Equations
1 Graphing Quadratic Equations from Tables
2 Finding Solutions to Quadratic Equations
3 Intercepts of Parabolas
4 Opens Up/Down
5 Vertex of Quadratics
6 Axis of Symmetry

Unit Q

1 Solving Equations Using Radicals
1 Solving Quadratic Equations using Radicals I
2 Solving Quadratic Equations using Radicals II

2 Solving Equations by Completing the Square
1 Completing the Square: Introduction
2 Completing the Square: Solving Equations I
3 Completing the Square: Solving Equations II
4 Completing the Square: Solving Equations III

3 Solving Quadratic Equations using the Quadratic Formula
1 The Quadratic Formula: Definition
2 The Quadratic Formula: Solving Equations - Rational Solutions
3 The Quadratic Formula: Solving Equations - Irrational Solutions
4 The Quadratic Formula: Solving Equations - Missing Term
5 The Quadratic Formula: Solving Equations - All Types
6 The Quadratic Formula: Solving Equations - Non-standard Form

4 Introduction to Complex Numbers
1 Introduction to Imaginary Numbers
2 Solving Quadratic Equations with Imaginary Solutions
3 Introduction to Complex Numbers - Addition and Subtraction
4 Multiplying Complex Numbers I
5 Multiplying Complex Numbers II

5 Complex Numbers and the Quadratic Formula
1 Dividing Complex Numbers - The Complex Conjugate
2 The Discriminant of the Quadratic Formula
3 The Quadratic Formula with Complex Solutions
4 Solving General Quadratic Equations

6 Quadratic Applications
1 Quadratic Applications I
2 Quadratic Applications II

Unit R

1 Graphing Cubic and Absolute Value Equations
1 Graphing Cubic Equations from Tables
2 Graphing Absolute Value Equations

2 Simplifying Rational Expressions
1 Dividing Monomials by Monomials
2 Dividing Monomials by Monomials with Factors in Denominator
3 Dividing Polynomials by Monomials
4 Dividing Polynomials by Binomials
5 Dividing Polynomials by Polynomials

3 Simplifying Rational Expressions II
1 Finding Common Denominators in Algebraic Expressions
2 Simplifying Complex Fractions
3 Complex Fractions with Negative Exponents

4 Operations with Rational Expressions
1 Multiplying Rational Expressions
2 Dividing Rational Expressions
3 Adding Rational Expressions with Common Denominators
4 Subtracting Rational Expressions with Common Denominators

5 Operations and Equations with Rational Expressions
1 Adding and Subtracting Rational Expressions: Monomial Denominators
2 Adding and Subtracting Rational Expressions: Polynomial Denominators
3 Combining More Than 2 Rational Expressions
4 Solving Rational Equations

6 Graphing II
1 Graphing Greatest Integer Functions
2 Graphing Rational Functions
3 Graphing Radical Functions

Unit S

1 Operations with Functions
1 Addition of Functions
2 Subtraction of Functions
3 Multiplication of Functions
4 Division of Functions

2 Operations with Functions II
1 Evaluating Functions - Horizontal
2 Composition of Functions I
3 Composition of Functions II
4 Evaluating Functions - Multiple

3 Function Inverses
1 One to One Relationships

2 Showing Functions are Inverses
3 Finding the Inverse of Linear Functions
4 Finding the Inverse of Cubic Functions

4 Domain and Range
1 Domain and Range I
2 Domain and Range II
3 Domain and Range III

Unit T

1 Exponential Functions
1 Definition of Exponential Functions
2 Graphs of Exponential Functions I
3 Graphs of Exponential Functions II
4 Solving Simple Exponential Equations

2 Logarithmic Functions
1 Definition of Logarithms
2 Solving Simple Logarithmic Equations
3 Solving More Complex Logarithmic Equations
4 Graphs of Logarithms I
5 Graphs of Logarithms II
6 Basic Properties of Logarithms