

This goal contains the following study paths:

1. TABE 11-12 Math - Easy-Medium
2. TABE 11-12 Math - Difficult
3. TABE 11-12 Math - Advanced

Students can access the study paths in the displayed order. Only 'Easy-Medium' is unlocked by default, but the next study path in the sequence will automatically be unlocked when students reach their target score (90).



STUDY PATH 1: TABE 11-12 Math - Easy Medium



Unit 1: Whole Numbers

Introduction to Whole Numbers

- Place Value and Names for Whole Numbers
- Rounding Whole Numbers
- Comparing Whole Numbers

Adding and Subtracting Whole Numbers

- Adding Whole Numbers and Applications
- Subtracting Whole Numbers and Applications
- Estimation

Multiplying and Dividing Whole Numbers

- Multiplying Whole Numbers and Applications
- Dividing Whole Numbers and Applications

Properties of Whole Numbers

- Properties and Laws of Whole Numbers
- The Distributive Property

Exponents, Square Roots, and Order of Operations

- Order of Operations



Unit 2: Fractions and Mixed Numbers

Introduction to Fractions and Mixed Numbers

- Introduction to Fractions and Mixed Numbers
- Proper and Improper Fractions
- Factors and Primes
- Simplifying Fractions
- Comparing Fractions

Multiplying and Dividing Fractions and Mixed Numbers

- Multiplying Fractions and Mixed Numbers
- Dividing Fractions and Mixed Numbers

Adding and Subtracting Fractions and Mixed Numbers

- Adding Fractions and Mixed Numbers
- Subtracting Fractions and Mixed Numbers



Unit 3: Decimals

Introduction to Decimals

- Decimals and Fractions
- Ordering and Rounding Decimals

Decimal Operations

- Adding and Subtracting Decimals
- Multiplying and Dividing Decimals
- Estimation With Decimals



Unit 4: Ratios, Rates, and Proportions

Ratios and Rates

- Simplifying Ratios and Rates



Unit 6: Measurement

U.S. Customary Units of Measurement

- Length
- Weight
- Capacity

Metric Units of Measurement

- The Metric System
- Converting Within the Metric System
- Using Metric Conversions to Solve Problems



Unit 7: Geometry

Basic Geometric Concepts and Figures

- Figures in 1 and 2 Dimensions
- Properties of Angles
- Triangles

Perimeter, Circumference, and Area

- Quadrilaterals
- Perimeter and Area
- Circles

Volume of Geometric Solids

- Solids



Unit 8: Concepts in Statistics

Statistical Graphs and Tables

- Graphing Data
- Other Types of Graphs

Measures of Center

- Measures of Center



Unit 9: Real Numbers

Introduction to Real Numbers

- Variables and Expressions

Properties of Real Numbers

- Associative, Commutative, and Distributive Properties



Unit 10: Solving Equations and Inequalities

Solving Equations

- Solving One-Step Equations Using Properties of Equality

Solving Inequalities

- Solving One-Step Inequalities



Unit 13: Graphing

Graphs and Applications

- The Coordinate Plane

STUDY PATH 2: TABE 11-12 Math - Difficult



Unit 1: Whole Numbers

Properties of Whole Numbers

- The Distributive Property

Exponents, Square Roots, and Order of Operations

- Understanding Exponents and Square Roots
- Order of Operations



Unit 2: Fractions and Mixed Numbers

Multiplying and Dividing Fractions and Mixed Numbers

- Multiplying Fractions and Mixed Numbers
- Dividing Fractions and Mixed Numbers

Adding and Subtracting Fractions and Mixed Numbers

- Adding Fractions and Mixed Numbers
- Subtracting Fractions and Mixed Numbers



Unit 4: Ratios, Rates, and Proportions

Ratios and Rates

- Simplifying Ratios and Rates

Proportions

- Understanding Proportions



Unit 5: Percents

Introduction to Percents

- Convert Percents, Decimals, and Fractions

Solving Percent Problems

- Solving Percent Problems



Unit 7: Geometry

Basic Geometric Concepts and Figures

- Properties of Angles
- The Pythagorean Theorem

Perimeter, Circumference, and Area

- Quadrilaterals
- Perimeter and Area
- Circles

Volume of Geometric Solids

- Solids



Unit 8: Concepts in Statistics

Statistical Graphs and Tables

- Graphing Data
- Other Types of Graphs

Measures of Center

- Measures of Center

Probability

- Probability



Unit 9: Real Numbers

Introduction to Real Numbers

- Integers
- Rational and Real Numbers

Operations With Real Numbers

- Adding Integers
- Adding Real Numbers
- Subtracting Real Numbers
- Multiplying and Dividing Real Numbers

Properties of Real Numbers

- Associative, Commutative, and Distributive Properties



Unit 10: Solving Equations and Inequalities

Solving Equations

- Solving One-Step Equations Using Properties of Equality
- Solving Multi-Step Equations
- Special Cases and Applications

Solving Inequalities

- Solving One-Step Inequalities
- Multi-Step Inequalities



Unit 11: Exponents and Polynomials

Integer Exponents

- Exponential Notation
- Simplify by Using the Product, Quotient, and Power Rules
- Products and Quotients Raised to Powers
- Scientific Notation



Unit 13: Graphing

Graphs and Applications

- The Coordinate Plane
- Graphing Linear Equations
- Slope and Writing the Equation of a Line
- Finding the Slope of a Line
- Writing the Equation of a Line



Unit 14: Systems of Equations and Inequalities

Graphing Systems of Equations and Inequalities

- Graphing Systems of Linear Equations
- Graphing Systems of Inequalities

Algebraic Methods to Solve Systems of Equations

- The Substitution Method
- The Elimination Method



Unit 16: Radical Expressions and Quadratic Equations

Introduction to Roots and Rational Exponents

- Roots
- Squares, Cubes, and Beyond
- Rational Exponents

Radical Equations

- Solving Radical Equations

Topics that are also covered in a prior TABE 11-12 study path are underlined.

STUDY PATH 3: TABE 11-12 Math - Advanced



Unit 1: Whole Numbers

Exponents, Square Roots, and Order of Operations

- [Understanding Exponents and Square Roots](#)



Unit 4: Ratios, Rates, and Proportions

Ratios and Rates

- [Simplifying Ratios and Rates](#)

Proportions

- [Understanding Proportions](#)



Unit 6: Measurement

U.S. Customary Units of Measurement

- [Length](#)
- [Weight](#)
- [Capacity](#)

Metric Units of Measurement

- [The Metric System](#)
- [Converting Within the Metric System](#)
- [Using Metric Conversions to Solve Problems](#)

Temperature

- [Temperature Scales](#)



Unit 7: Geometry

Basic Geometric Concepts and Figures

- [Figures in 1 and 2 Dimensions](#)
- [Properties of Angles](#)
- [Triangles](#)

Perimeter, Circumference, and Area

- [Perimeter and Area](#)

Volume of Geometric Solids

- [Solids](#)



Unit 8: Concepts in Statistics

Statistical Graphs and Tables

- [Graphing Data](#)
- [Other Types of Graphs](#)

Measures of Center

- [Measures of Center](#)

Graphical Representations

- [Use and Misuse of Graphical Representations](#)



Unit 9: Real Numbers

Introduction to Real Numbers

- [Variables and Expressions](#)
- [Rational Real Numbers](#)



Unit 10: Solving Equations and Inequalities

Solving Equations

- [Solving Multi-Step Equations](#)
- [Special Cases and Applications](#)
- [Formulas](#)

Solving Inequalities

- [Solving One-Step Inequalities](#)
- [Multi-Step Inequalities](#)

Compound Inequalities and Absolute Value

- [Compound Inequalities](#)
- [Equations and Inequalities and Absolute Value](#)



Unit 11: Exponents and Polynomials

Integer Exponents

- [Exponential Notation](#)
- [Simplify by Using the Product, Quotient, and Power Rules](#)
- [Products and Quotients Raised to Powers](#)
- [Scientific Notation](#)

Polynomials With Single Variables

- [Introduction to Single Variable Polynomials](#)
- [Adding and Subtracting Polynomials](#)
- [Multiplying Polynomials](#)
- [Multiplying Special Cases](#)
- [Dividing by a Monomial](#)
- [Dividing by Binomials and Polynomials](#)

Polynomials With Several Variables

- [Simplifying and Evaluating Polynomials With More Than One Term](#)
- [Operations With Polynomials](#)



Unit 12: Factoring

Introduction to Factoring

- [Greatest Common Factor](#)

Factoring Polynomials

- [Factoring Trinomials](#)
- [Factoring: Special Cases](#)
- [Special Cases: Cubes](#)

Solving Quadratic Equations

- [Solve Quadratic Equations by Factoring](#)



Unit 13: Graphing

Graphs and Applications

- [Graphing Linear Equations](#)

Slope and Writing the Equation of a Line

- [Finding the Slope of a Line](#)
- [Graphing Linear Inequalities](#)



Unit 14: Systems of Equations and Inequalities

Graphing Systems of Equations and Inequalities

- [Graphing Systems of Linear Equations](#)
- [Graphing Systems of Inequalities](#)

Algebraic Methods to Solve Systems of Equations

- [The Substitution Method](#)
- [The Elimination Method](#)

Systems of Equations in Three or More Variables

- [Solving Systems of Three Variables](#)



Unit 15: Rational Expressions

Operations With Rational Expressions

- [Introduction to Rational Expressions](#)
- [Multiplying and Dividing Rational Expressions](#)
- [Adding and Subtracting Rational Expressions](#)
- [Complex Rational Expressions](#)

Rational Equations

- [Solving Rational Equations and Applications](#)

Formulas and Variation

- [Rational Formulas and Variation](#)



Unit 16: Radical Expressions and Quadratic Equations

Introduction to Roots and Rational Exponents

- [Roots](#)
- [Squares, Cubes, and Beyond](#)
- [Rational Exponents](#)

Operations With Radicals

- [Multiplying and Dividing Radical Expressions](#)
- [Adding and Subtracting Radicals](#)
- [Multiplication of Multiple Term Radicals](#)
- [Rationalizing Denominators](#)

Radical Equations

- [Solving Radical Equations](#)

continued...

Complex Numbers

- Complex Numbers
- Operations With Complex Numbers

Solving Quadratic Equations

- Square Roots and Completing the Square
- The Quadratic Formula



Unit 17: Functions

Introduction to Functions

- Identifying Functions

Using Functions

- Evaluating Functions
- Graphing Types of Functions