GED® Tutorials are based on content frameworks for the 2014 Test and current test specifications and provide students a less stressful and more successful preparation effort as they work to achieve a GED passing score.

GED Mathematics Reasoning and Reasoning through Language Arts (RLA) Tutorials offer targeted instruction, practice and review. Students engage with the content in an interactive, feedback-rich environment as they progress through GED test aligned modules. Students will practice skills essential to the test they’re preparing for and build the depth of knowledge, confidence, and higher order skills required to demonstrate mastery when put to the test.

In each module, the Learn It and Try It make complex ideas accessible to students through focused content, guided analysis, and practice with personalized feedback so students are empowered to increase their Exam Readiness. The Review It offers an engaging and high impact video summary of key concepts and important to grasp connections. The Test It assesses students’ mastery of the module’s concepts, providing granular performance data to students and teachers, linking a student’s performance to GED reporting categories and reasoning indicators. To help students focus on the content most relevant to them, unit-level pretests and posttests can quickly identify where students are ready for test day and where they need to continue their review and practice.

This Tutorial is aligned with 2014 assessment content from GED Testing Service and content area assessment targets for Mathematics and RLA sections.

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About Tutorials

Tutorials are organized into units and modules, which are listed in this document. Each unit offers a prescriptive pretest, a series of modules, and a summative posttest. Each four-part module provides a unique instructional approach to build knowledge, develop critical thinking, and deepen understanding.

Learn It: Provides direct instruction that engages students in active learning

Try It: Develops skills and understanding with interactive practice and application

Review It: Reinforces concepts based on research best practices for use of video for learning

Test It: Assesses student knowledge and mastery of concepts through randomized assessment
GED Mathematical Reasoning

Ratios and Rates
★ Ratios
★ Rates and Unit Rates
★ Solving Percent Problems
★ Unit Conversions

Number Sense
★ Greatest Common Factor and Least Common Multiple
★ Simplifying Square Roots
★ Absolute Value

Exponents and Scientific Notation
★ Properties of Exponents
★ Scientific Notation

Adding and Subtracting Rational Numbers
★ Adding Rational Numbers
★ Subtracting Rational Numbers
★ Using Properties to Add and Subtract Rational Numbers

Multiplying and Dividing Rational Numbers
★ Multiplying Rational Numbers
★ Dividing Rational Numbers
★ Using Properties to Multiply and Divide Rational Numbers
★ Using Operations on Rational Numbers to Solve Problems

Proportional Relationships
★ Identifying Proportional Relationships
★ Analyzing Proportional Relationships
★ Multiple Representations of Proportions

Applications of Proportions
★ Using Proportions to Solve Problems
★ Scale Drawings

Algebraic Expressions
★ Writing Expressions
★ Simplifying and Rewriting Algebraic Expressions
★ Formulating and Simplifying Algebraic Expressions

Solving Equations and Inequalities
★ Multi-Step Equations and Inequalities
★ Formulating and Solving Equations from Word Problems
★ Formulating and Solving Inequalities from Word Problems

Introduction to Functions
★ Functions and Relations
★ Comparing Functions
★ Linear versus Nonlinear Functions

Linear Functions
★ Slope
★ Graphing and Analyzing Linear Functions
★ Slope-Intercept Form of a Linear Equation
★ Point-Slope Form of a Linear Equation

Using Linear Functions
★ Writing Linear Functions
★ Graphing and Manipulating $y = mx + b$
★ Parallel and Perpendicular Lines

Systems of Linear Equations
★ Solving Systems of Linear Equations: Graphing
★ Solving Systems of Linear Equations: Substitution
★ Solving Systems of Linear Equations: Elimination

Factoring Polynomials
★ Factoring Quadratic Trinomials
★ Factoring Special Cases

Solving Quadratic Equations
★ Solving Quadratic Equations by Factoring
★ Completing the Square
★ Quadratic Formula

Operations with Polynomials
★ Addition and Subtraction of Polynomials
★ Multiplication of Polynomials
★ Division of Polynomials

Rational Expressions and Functions
★ Operations with Rational Expressions
★ Modeling Situations with Rational Functions

Coordinate Geometry
★ Plotting Points in the Coordinate Plane
★ Perimeter on the Coordinate Plane

Two-Dimensional Geometry
★ Area, Volume, and Surface Area
★ Circumference and Arc Length
★ The Pythagorean Theorem

Volume
★ Volume of Cylinders and Cones
★ Volume of Prisms and Pyramids
★ Volume of Composite Solids

Surface Area
★ Surface Area of Cylinders and Cones
★ Surface Area of Prisms and Pyramids
★ Surface Area of Composite Solids
★ Surface Area and Volume of Spheres

Statistics
★ Box Plots
★ Dot Plots and Histograms
★ Using Statistical Measures to Compare Data Sets
★ Scatterplots

Probability
★ Introduction to Probability
★ Calculating Probability
★ Probability of Compound Events
★ Combinations and Permutations
GED Reasoning through Language Arts

Elements of Literature 1
★ Conflict
★ Character Types
★ Foreshadowing and Suspense

Elements of Literature 2
★ Plot
★ Theme
★ Setting

Reading Strategies 1
★ Making Inferences
★ Drawing Conclusions

Reading Strategies 2
★ Implied Main Idea
★ Determining Author’s Purpose
★ Summary, Analysis, and Critique

Author’s Voice and Method
★ Analyzing Author’s Perspective
★ Analyzing Author’s Style
★ Tone and Mood
★ Word Choice

Strategy 1
★ Central Ideas
★ Analyzing Effective Text Structures
★ Rhetorical Techniques

Strategy 2
★ Inductive and Deductive Reasoning
★ Evaluating Evidence
★ Analyzing Language
★ Synthesizing Ideas

Text Connections
★ Analyzing Interpretations of Fiction
★ Analyzing Interpretations of Nonfiction

Text Organization 1
★ Cause and Effect
★ Compare and Contrast
★ Visual Aids

Text Organization 2
★ Chronology and Sequencing
★ Flashback and Framing

Sentence Structure
★ Sentence Structure
★ Parallelism and Verb Tense
★ Nouns and Capitalization

Sentence Style 1
★ Subject-Verb Agreement
★ Modifiers

Sentence Style 2
★ Pronouns
★ Pronoun-Antecedent Agreement
★ Pronoun Case

Punctuation
★ Commas with Phrases and Clauses
★ End Marks
★ Apostrophes

Contextual Clues
★ Using Contextual Clues
★ Analyzing Figures of Speech and Idioms
★ Connotation and Denotation

Usage
★ Formal and Informal Language
★ Spelling Rules
★ Commonly Confused Words

Expository Writing
★ Expository Thesis Statements
★ Expository Paragraph Development
★ Expository Essays

Argumentative Writing
★ Types of Evidence
★ Argumentative Claims
★ Argumentative Paragraph Development
★ Argumentative Essays

Revision Considerations
★ Wordiness and Redundancy
★ Transitional Elements
★ Maintaining a Formal Style