Scores of 60, 80, and 100 are default milestones in ACT CollegeReady, indicating levels of student readiness in math for different college programs.

ACT CollegeReady milestone scores were informed by a survey of the competency expectations of postsecondary programs of study across the United States.

After completing the initial diagnostic, students are encouraged to master the material (as needed) in the order presented below.

1: Whole Numbers
   - Introduction to Whole Numbers
   - Adding and Subtracting Whole Numbers
   - Multiplying and Dividing Whole Numbers
   - Properties of Whole Numbers
   - Exponents, Square Roots, and the Order of Operations

2: Fractions and Mixed Numbers
   - Introduction to Fractions and Mixed Numbers
   - Multiplying and Dividing Fractions and Mixed Numbers
   - Adding and Subtracting Fractions and Mixed Numbers

3: Decimals
   - Introduction to Decimals
   - Decimal Operations

4: Ratios, Rates and Proportions
   - Ratio and Rates | Proportions

5: Percents
   - Introduction to Percents
   - Solving Percent Problems

6: Measurement
   - U.S. Customary Units of Measurement
   - Metric Units of Measurement
   - Temperature

7: Geometry
   - Basic Geometric Concepts and Figures
   - Perimeter, Circumference, and Area
   - Volume of Geometric Solids

8: Concepts in Statistics
   - Statistical Graphs and Tables
   - Measures of Center
   - Graphical Representations
   - Probability

9: Real Numbers
   - Introduction to Real Numbers
   - Operations with Real Numbers
   - Properties of Real Numbers
   - Simplifying Expressions

10: Solving Equations and Inequalities
    - Solving Equations
    - Solving Inequalities
    - Compound Inequalities and Absolute Value

11: Exponents and Polynomials
    - Integer Exponents
    - Polynomials with Single Variables
    - Polynomials with Several Variables

12: Factoring
    - Introduction to Factoring
    - Factoring Polynomials
    - Solving Quadratic Equations

13: Graphing
    - Graphs and Applications
    - Graphing Systems of Equations and Inequalities
    - Algebraic Methods to Solve Systems of Equations
    - Systems of Equations in Three or More Variables

14: Systems of Equations and Inequalities
    - Graphing Systems of Equations and Inequalities
    - Using Functions
    - Operations with Functions

15: Rational Expressions
    - Operations with Rational Expressions
    - Rational Equations
    - Formulas and Variation

16: Radical Expressions and Quadratic Equations
    - Introduction to Roots and Rational Exponents
    - Graphing Trigonometric Functions

17: Functions
    - Introduction to Functions
    - Exponential Functions
    - Logarithmic Functions
    - Natural Logarithms
    - Logarithmic and Exponential Equations

18: Exponential and Logarithmic Functions
    - Exponential Functions
    - Logarithmic Functions

19: Trigonometry
    - Introduction to Trigonometric Functions
    - Graphing Trigonometric Functions

Operations with Radicals
Radical Equations
Complex Numbers
Solving Quadratic Equations

Likely prepared to pursue introductory-level, non-STEM college math courses.

COMPETENCY: ARITHMETIC AND SOME BEGINNING ALGEBRA

When a "typical" student reaches a score of 60, that student will have mastered units 1-9.

A score of 80 is when units 1-14 have been mastered.

A score of 100 is when all units have been mastered.

Well-prepared for college math, including STEM programs.
Scores of 75 and 100 are default milestones in ACT CollegeRead, indicating levels of student readiness in English for different college programs.

ACT CollegeRead milestone scores were informed by a survey of the competency expectations of postsecondary programs of study across the United States.

After completing the initial diagnostic, students are encouraged to master the material (as needed) in the order presented below.

### 1: Introduction to College Reading and Writing

**READING:**
- Author, Audience, and Purpose
- Fact and Opinion
- Using Context Clues
- Identifying Word Parts
- Topic Sentences

**WRITING:**
- Topic Sentences
- Revising, Editing, and Proofreading

**GRAMMAR:**
- Subjects and Verbs
- Prepositional Phrases
- Subjects and Verbs

### 2: Identifying Main Ideas

**READING:**
- Stated Main Ideas
- Supporting Details
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Developing a Thesis
- Supporting Details
- Stated Main Ideas

### 3: Discovering Implied Meaning

**READING:**
- Author’s Point of View and Cultural Context
- Implied Main Ideas
- Major and Minor Supporting Details
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Developing an Implied Thesis Statement and Topic Sentences

### 4: Interpreting Bias

**READING:**
- Making Inferences and Drawing Conclusions
- Outlining a Reading
- Faulty Parallel Structure

**WRITING:**
- Creating an Effective Introductory Paragraph for an Essay
- Understanding the Four Sentence Types

### 5: Analysis Through Definition

**READING:**
- Identifying Denotation and Connotation
- Identifying Types of Definitions
- Recognizing Objective and Subjective Language
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Developing Support in an Analysis Essay
- Creating an Effective Conclusion for a Multiparagraph Essay

### 6: Learning Across Disciplines

**READING:**
- Understanding Reading and Writing Differences Across Disciplines
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Developing a Thesis for a Compare and Contrast Essay
- Developing an Outline for a Compare and Contrast Essay

### 7: Exploring Comparative Elements

**READING:**
- Listing Causes and Effects in a Reading
- Logical Fallacies and Causal Relationships
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Responding Effectively to Essay Assignments

**GRAMMAR:**
- Commonly Confused Words
- Parenthetical Expressions
- Mistakes with Modifiers
- Active and Passive Voice

### 8: Informed Opinions through Causal Chains

**READING:**
- Recognizing the Main Idea and Source Bias in a Complex Reading
- Evaluating Credible Sources Used Within a Reading
- Logical Fallacies and Analysis
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Using Effective Evidentiary Support

### 9: Applied Critical Analysis

**READING:**
- Restating Different Viewpoints
- Using Context Clues
- Identifying Word Parts

**WRITING:**
- Finding and Evaluating Sources
- Evidentiary Support
- Avoiding Plagiarism
- Formatting a College Essay – APA Style

**GRAMMAR:**
- Capitalizing Words and Punctuating Titles
- Quotation Marks
- APA Citation Styles

### 10: Using Sources in Critical Reading and Writing

**READING:**
- Paraphrasing vs. Direct Quotations
- Blending Source Material into an Essay

**GRAMMAR:**
- Creating Concise Sentences
- MLA Citation Styles

**WRITING:**
- Avoiding Plagiarism
- Evidentiary Support
- Formatting a College Essay – APA Style

**GRAMMAR:**
- Capitalizing Words and Punctuating Titles
- Quotation Marks
- APA Citation Styles