

ACCUPLACER Math Study Guide

The ACCUPLACER is a test that measures your readiness for college-level math courses. The test has a score range of 200–300 and covers five main topics:

- Arithmetic
- Quantitative Reasoning
- Algebra
- Statistics
- Advanced Algebra and Functions

Your score on the test will show what math skills you have and what areas you need to improve. The test has a score range of 200-300, divided into five score bands. Each score band reflects a different level of understanding of basic mathematical concepts and operations. The higher your score band, the more prepared you are for math courses that require quantitative reasoning skills. The score bands and their common skills are:

- **200-236**
 - Add, subtract, multiply, and divide whole numbers and fractions
 - Solve simple equations and inequalities with one variable
 - Read data from tables and graphs
 - Identify basic shapes and their properties
- **237-249**
 - Work with decimals and percents
 - Solve problems with ratios, proportions, and rates
 - Use the order of operations and exponents
 - Solve equations and inequalities with two variables
 - Read data from scatterplots and histograms
 - Use probability and statistics concepts
 - Find the perimeter, area, and volume of shapes
- **250-262**
 - Perform arithmetic operations with rational numbers
 - Solve problems involving percent increase or decrease
 - Simplify algebraic expressions and factor polynomials
 - Solve systems of linear equations and inequalities
 - Interpret data from boxplots and stem-and-leaf plots
 - Apply basic concepts of probability and statistics
 - Use the Pythagorean theorem and the distance formula
- **263-275**
 - Perform arithmetic operations with radicals and complex numbers
 - Solve problems involving exponential growth and decay
 - Manipulate rational expressions and equations

- Solve quadratic equations and inequalities
- Interpret data from normal distributions and confidence intervals
- Apply advanced concepts of probability and statistics
- Use trigonometric functions and identities
- **276-300**
 - Perform arithmetic operations with matrices and vectors
 - Solve problems involving logarithmic functions and equations
 - Manipulate polynomial expressions and equations
 - Solve radical equations and inequalities
 - Interpret data from regression models and correlation coefficients
 - Apply concepts of combinatorics and discrete mathematics
 - Use inverse trigonometric functions and equations
 - Use calculus concepts, such as limits, derivatives, integrals, and series
 - Use linear algebra concepts, such as vector spaces, matrices, determinants, eigenvalues, and eigenvectors
 - Use discrete mathematics concepts, such as logic, sets, relations, functions, graphs, trees, algorithms, and cryptography

To prepare for the test, you can visit the official website for more information and practice questions.

You can also use some online resources that offer study guides, videos, and quizzes. Here are some links that might help you:

- Official Accuplacer Website: <https://accuplacer.collegeboard.org/students>
- PrepScholar Accuplacer Guide: <https://blog.prepscholar.com/accuplacer-scores-range>
- Accuplacer Practice App: <https://practice.accuplacer.org/>
- Practice Test: <https://www.mometrix.com/academy/accuplacer-practice-test/>