

# Math Skills in the GED

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This page comes from the [Florida GED Teachers' Handbook](#):

05.0	Mathematics
05.01	Perform basic operations with whole numbers.
05.02	Perform basic operations with common fractions.
05.03	Perform basic operations with decimals.
05.04	Perform basic operations with percentages.
05.05	Apply concepts and solve problems regarding the use of measurements, both standard and metric.
05.06	Apply principles of algebra including: ratio and proportion, signed numbers, basic equations, multi-step algebraic word problems, quadratic equations, and the usage of algebraic formulas.
05.07	Analyze tables and graphs to identify and generalize patterns and relationships.
05.08	Apply principles of measurement and geometry including the usage of geometry formulas in length, area, perimeter, volume, angle measurement, capacity, weight, and mass.
05.09	Apply basic trigonometry formulas such as the Pythagorean Theorem, slope of a line, y-intercept of a line, intersection of two lines.
5.10	Construct, interpret and draw inferences from graphs, charts, tables, scales, meters and gauges.
5.11	Apply measures of central tendency (mean, median, and mode) and analyze the effect of changes in data on these measures.
5.12	Make predictions that are based on experimental or theoretical probabilities including listing possible outcomes.
5.13	Interpret, compare, and contrast different sets of data on the basis of measures of central tendency and dispersion (range and standard deviation).
5.14	Operate a scientific calculator to solve basic and advanced mathematical functions.
5.15	Recognize the appropriate procedural setup required for solving a problem.
5.16	Use alternate formats such as grids or plots.
5.17	Use estimation to solve problems and assess the reasonableness of the answer.
5.18	Apply mathematical principles to workplace/life situations.
5.19	Develop a personal/business budget, financial plan, and cash flow projections.
5.20	Reconcile income and expense accounts (i.e., balancing a checkbook).
5.21	Complete simple tax forms.
5.22	Evaluate insurance costs and benefits.
5.23	Calculate retirement/investment benefits.