



Florida Literacy Coalition, Inc.

FLC Math Tracking Sheet

This tracking sheet may help you as you explore all the video mini-lessons for the GED Math test. You can download/print this form and check the boxes next to the videos that you've watched.

It may be best if you watch the videos in order as they have been arranged with increasing difficulty and the skills will build as you go along.

As you explore the website you will notice that the videos are organized into 6 sections:

[Foundations](#)
[Basic Math](#)
[Basic Algebra](#)
[Graphs and Functions](#)
[Geometry](#)
[Calculator/Reference Sheet](#)

These sections are shown below. When you open each section you will find the videos organized into subsections shown here in blue.

Limited on time? If you're looking for the most important videos you may want to focus on the [Basic Algebra](#) and [Graphs and Functions](#) sections.

| FOUNDATIONS | |
|--------------------------|---|
| Place Value and Rounding | |
| <input type="checkbox"/> | Finding a number's place value |
| <input type="checkbox"/> | Rounding whole numbers example 1 |
| <input type="checkbox"/> | Rounding whole numbers example 2 |
| <input type="checkbox"/> | Rounding to estimate difference |
| <input type="checkbox"/> | Rounding decimals to the nearest tenth |
| Fraction Basics | |
| <input type="checkbox"/> | Numerator and denominator of a fraction |
| <input type="checkbox"/> | Identifying fraction parts |
| <input type="checkbox"/> | Proper and improper fractions |
| <input type="checkbox"/> | Converting mixed numbers to improper fractions |
| <input type="checkbox"/> | Mixed numbers: changing from an improper fraction |
| <input type="checkbox"/> | Fractions in lowest terms |
| <input type="checkbox"/> | Reciprocal of a mixed number |
| <input type="checkbox"/> | Finding Common denominators |
| Decimal Basics | |
| <input type="checkbox"/> | Decimal place value |
| <input type="checkbox"/> | Decimal to simplified fraction |
| <input type="checkbox"/> | Fraction to decimal |
| <input type="checkbox"/> | Converting percent to decimal and fraction |
| Identification | |

| <input type="checkbox"/> | Recognizing prime and composite numbers |
|--------------------------|--|
| <input type="checkbox"/> | Identifying Rational Numbers |
| <input type="checkbox"/> | Identifying parallel and perpendicular lines |
| Properties and Laws | |
| <input type="checkbox"/> | Properties of whole numbers |
| <input type="checkbox"/> | Commutative property for addition |
| <input type="checkbox"/> | Commutative law of addition |
| <input type="checkbox"/> | Associative law of addition |
| <input type="checkbox"/> | Associative property for multiplication |
| <input type="checkbox"/> | Associative law of multiplication |
| <input type="checkbox"/> | Commutative law of multiplication |
| <input type="checkbox"/> | Ways to represent multiplication |
| <input type="checkbox"/> | Identity Property |
| <input type="checkbox"/> | Distributive Property 3 |
| <input type="checkbox"/> | Distributive law of multiplication |
| <input type="checkbox"/> | Expressing division in multiple ways |
| BASIC MATH | |
| Comparing Numbers | |
| <input type="checkbox"/> | Comparing whole numbers, place value |
| <input type="checkbox"/> | Comparing decimals |
| <input type="checkbox"/> | Comparing fractions |
| <input type="checkbox"/> | Comparing fractions with different |

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| | denominators |
| <input type="checkbox"/> | Comparing rational numbers |
| GCF and LCM | |
| <input type="checkbox"/> | Recognizing divisibility, factors and multiples |
| <input type="checkbox"/> | Prime factorization, factors and multiples |
| <input type="checkbox"/> | Least Common Multiple |
| Whole Numbers | |
| <input type="checkbox"/> | Adding two digit numbers |
| <input type="checkbox"/> | Adding whole numbers |
| <input type="checkbox"/> | Subtracting whole numbers |
| <input type="checkbox"/> | Subtraction with borrowing or regrouping |
| <input type="checkbox"/> | Example: 2-digit times 2-digit |
| <input type="checkbox"/> | Multiplying whole numbers |
| <input type="checkbox"/> | Dividing Whole Numbers |
| <input type="checkbox"/> | Dividing Whole Numbers |
| <input type="checkbox"/> | Adding decimals |
| <input type="checkbox"/> | Subtracting decimals |
| <input type="checkbox"/> | Multiplying decimals |
| <input type="checkbox"/> | Multiplying decimals by a power of 10 |
| <input type="checkbox"/> | Dividing by a multi-digit decimal |
| <input type="checkbox"/> | Dividing decimals by a power of a 10 |

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| <input type="checkbox"/> | Dividing decimals by a power of 10 shortcut |
| Fractions | |
| <input type="checkbox"/> | Adding Fractions |
| <input type="checkbox"/> | How to add fractions that have different denominators |
| <input type="checkbox"/> | Adding Mixed Numbers |
| <input type="checkbox"/> | Subtracting Fractions with Like Denominators |
| <input type="checkbox"/> | Subtracting mixed numbers |
| <input type="checkbox"/> | Multiplying two fractions |
| <input type="checkbox"/> | How to multiply mixed numbers |
| <input type="checkbox"/> | Multiplying fractions and whole numbers |
| <input type="checkbox"/> | Dividing fractions |
| <input type="checkbox"/> | Dividing mixed numbers |
| <input type="checkbox"/> | Dividing mixed numbers and fractions |
| Percents | |
| <input type="checkbox"/> | The meaning of percent |
| <input type="checkbox"/> | Identify percent amount and base |
| <input type="checkbox"/> | Percent word problem example 1 |
| Word Problems | |
| <input type="checkbox"/> | Subtraction Word Problems |
| <input type="checkbox"/> | Equivalent fraction word problem |
| <input type="checkbox"/> | Multiplying fractions word problems |

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| <input type="checkbox"/> | Adding Mixed numbers word problems |
| <input type="checkbox"/> | Subtracting mixed numbers word problems |
| <input type="checkbox"/> | Adding and subtracting decimals word problem |
| <input type="checkbox"/> | Multiplying decimals word problem |
| <input type="checkbox"/> | Estimation with Decimals |
| <input type="checkbox"/> | Percent word problems |
| BASIC ALGEBRA | |
| Probability | |
| <input type="checkbox"/> | Introduction to combinations |
| <input type="checkbox"/> | Finding probability |
| <input type="checkbox"/> | Probability of more complex outcome |
| <input type="checkbox"/> | Example: All the ways you can flip a coin |
| <input type="checkbox"/> | Probability – part two: compound probability |
| Expressions | |
| <input type="checkbox"/> | Order of Operations |
| <input type="checkbox"/> | Identity property of 0 |
| <input type="checkbox"/> | How to evaluate an expression using substitution |
| <input type="checkbox"/> | How to evaluate an expression with variables |
| <input type="checkbox"/> | Example: evaluating expressions with 2 variables |

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| <input type="checkbox"/> | How to write algebraic expressions from word problems |
| Square Roots and Cube Roots | |
| <input type="checkbox"/> | Understanding Square roots |
| <input type="checkbox"/> | Intro to cube roots |
| Undefined | |
| <input type="checkbox"/> | Why dividing by zero is undefined |
| Absolute Value | |
| <input type="checkbox"/> | Absolute value of integers |
| <input type="checkbox"/> | Absolute value equations example 1 |
| Signed Numbers and Integers | |
| <input type="checkbox"/> | Adding negative numbers |
| <input type="checkbox"/> | Adding numbers with different signs |
| <input type="checkbox"/> | Adding real numbers with different signs |
| <input type="checkbox"/> | Adding fractions with different signs |
| <input type="checkbox"/> | Multiplying numbers with different signs |
| <input type="checkbox"/> | Dividing real numbers with different signs |
| Solving Equations | |
| <input type="checkbox"/> | Example of solving a one-step equation |
| <input type="checkbox"/> | Distributive property to simplify |
| <input type="checkbox"/> | Equations special cases |
| <input type="checkbox"/> | Word problem: solving equations |
| <input type="checkbox"/> | Example 1: Variables on both sides |

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| <input type="checkbox"/> | More involved multi-step equations |
| <input type="checkbox"/> | Rearrange formulas to isolate specific variables |
| Scientific Notation | |
| <input type="checkbox"/> | Exponent example 2 - exponents, radicals, and scientific not |
| <input type="checkbox"/> | Express a small number in scientific notation |
| Exponents | |
| <input type="checkbox"/> | Evaluating an algebraic expression with exponents |
| <input type="checkbox"/> | Evaluating exponential expressions 2 |
| <input type="checkbox"/> | Negative and positive exponents |
| <input type="checkbox"/> | Exponent properties 1 |
| <input type="checkbox"/> | Exponent properties 2 |
| <input type="checkbox"/> | Exponent properties 3 |
| <input type="checkbox"/> | Exponent properties 4 |
| <input type="checkbox"/> | Exponent properties 5 |
| <input type="checkbox"/> | Exponent properties 6 |
| <input type="checkbox"/> | Exponent properties 7 |
| Ratios and Proportions | |
| <input type="checkbox"/> | Simplifying rates and ratios |
| <input type="checkbox"/> | Proportion validity |
| <input type="checkbox"/> | Ratios as fractions in simplest form |
| Word Problems | |
| <input type="checkbox"/> | Rational number word problem with |

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| | decimals |
| <input type="checkbox"/> | Multiplying three numbers in scientific notation |
| <input type="checkbox"/> | Solving a consecutive integer problem algebraically |
| Inequalities | |
| <input type="checkbox"/> | One-step inequality involving addition |
| <input type="checkbox"/> | Example of plotting a simple inequality on a number line |
| <input type="checkbox"/> | Constructing, solving two-step inequality |
| <input type="checkbox"/> | Inequality word problems |
| <input type="checkbox"/> | Linear inequality word problems |
| <input type="checkbox"/> | Multi-step inequalities |
| <input type="checkbox"/> | Compound inequalities |
| <input type="checkbox"/> | Compound inequalities 2 |
| <input type="checkbox"/> | Absolute value inequalities |
| <input type="checkbox"/> | Checking solutions of two-variable linear inequalities |
| Systems of Equations | |
| <input type="checkbox"/> | Graphing systems of equations |
| <input type="checkbox"/> | Solving linear systems by substitution |
| <input type="checkbox"/> | The parts of polynomial expressions |
| <input type="checkbox"/> | Opposite of a polynomial |
| <input type="checkbox"/> | Example 1: Simplifying polynomials |

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| <input type="checkbox"/> | Example 4: Adding and Subtracting Polynomials |
| <input type="checkbox"/> | Example 3: Subtracting Polynomials |
| <input type="checkbox"/> | Example 1: Multiplying two monomials with a single variable |
| <input type="checkbox"/> | Example 3: Multiplying a monomial by a polynomial |
| <input type="checkbox"/> | Example 1: Multiplying a binomial by a binomial |
| <input type="checkbox"/> | Multiplying polynomials example |
| <input type="checkbox"/> | Example 1: Multiplying binomials to get a difference of squares |
| <input type="checkbox"/> | Example 2: Finding the square of a binomial with one variable |
| <input type="checkbox"/> | Polynomial divided by monomial |
| <input type="checkbox"/> | Simplifying rational expressions |
| <input type="checkbox"/> | Dividing polynomials 1 |
| <input type="checkbox"/> | Dividing polynomials with remainders |
| <input type="checkbox"/> | Evaluating an expression with multiple variables |
| <input type="checkbox"/> | Simplifying an expression with multiple variables |
| <input type="checkbox"/> | Example 6: Subtracting polynomials with two variables |
| <input type="checkbox"/> | Example 2: Multiplying a binomial by a polynomial |

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| <input type="checkbox"/> | Dividing multivariable polynomial with a monomial |
| <input type="checkbox"/> | Evaluating a polynomial at a given value |
| Factoring and Quadratic Equations | |
| <input type="checkbox"/> | GCF to Factor a polynomial |
| <input type="checkbox"/> | Factor expressions by grouping |
| <input type="checkbox"/> | Operations with polynomials |
| <input type="checkbox"/> | Introduction to grouping |
| <input type="checkbox"/> | Factoring trinomials with a common factor |
| <input type="checkbox"/> | Factoring trinomials with a non-1 leading coefficient by grouping |
| <input type="checkbox"/> | Example 4: Factoring quadratics as a perfect square of a difference |
| <input type="checkbox"/> | Example 1: Factoring a difference of squares with two variables |
| <input type="checkbox"/> | Factoring sum of cubes |
| <input type="checkbox"/> | Difference of cubes |
| <input type="checkbox"/> | Solving quadratics by factoring |
| <input type="checkbox"/> | Introduction to the quadratic equation |
| <input type="checkbox"/> | Quadratic and exponential word problems |
| Functions | |
| <input type="checkbox"/> | What is a function? |
| <input type="checkbox"/> | Recognize functions from tables |

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| <input type="checkbox"/> | Functions as graphs |
| GRAPHS & FUNCTIONS | |
| Reading Graphs | |
| <input type="checkbox"/> | Reading pictographs |
| <input type="checkbox"/> | Reading bar graphs |
| <input type="checkbox"/> | Reading pie graphs |
| <input type="checkbox"/> | Box and whisker plot |
| <input type="checkbox"/> | Box and whisker plots |
| <input type="checkbox"/> | Interpreting a trend line |
| <input type="checkbox"/> | Position vs. time graphs |
| <input type="checkbox"/> | How to estimate the average rate of change from a graph |
| <input type="checkbox"/> | Introduction to average rate of change |
| Mean, Median, Mode and Range | |
| <input type="checkbox"/> | Finding mean, median, and mode |
| <input type="checkbox"/> | Finding the range and mid-range |
| Coordinate Planes, Slope and Linear Equations | |
| <input type="checkbox"/> | Coordinate plane: plot ordered pairs |
| <input type="checkbox"/> | Slope from two ordered pairs |
| <input type="checkbox"/> | Finding the slope of a line from its graph |
| <input type="checkbox"/> | Slope-intercept form |
| <input type="checkbox"/> | Finding a linear equation given a point and slope |

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| <input type="checkbox"/> | Slope-intercept equation from slope and point |
| <input type="checkbox"/> | Graphing solutions to two variable linear equations |
| <input type="checkbox"/> | Perpendicular line slope |
| <input type="checkbox"/> | Parallel Line Equation |
| <input type="checkbox"/> | Graphing using x- and y- intercepts |
| <input type="checkbox"/> | Slope of a line: negative slope |
| <input type="checkbox"/> | How to visually identify proportional relationships |
| <input type="checkbox"/> | Ordered pair solutions to equations |
| <input type="checkbox"/> | Graphing systems of equations |
| <input type="checkbox"/> | Undefined and zero slope from graph |
| GEOMETRY | |
| Area and Perimeter | |
| <input type="checkbox"/> | Introduction to perimeter |
| <input type="checkbox"/> | Area and Perimeter |
| <input type="checkbox"/> | Labeling parts of a circle |
| <input type="checkbox"/> | Circumference of a circle |
| <input type="checkbox"/> | Area of a circle |
| <input type="checkbox"/> | Area of a Trapezoid |
| <input type="checkbox"/> | Perimeter and area of a non-standard polygon |
| <input type="checkbox"/> | Area and perimeter of composite figures |

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| <input type="checkbox"/> | Decomposing shapes to find area |
| Volume and Surface Area | |
| <input type="checkbox"/> | Identifying Geometric Solids |
| <input type="checkbox"/> | Volume of a rectangular prism: word problem |
| <input type="checkbox"/> | Surface area of a box |
| <input type="checkbox"/> | Cylinder volume and surface area |
| <input type="checkbox"/> | Surface are of a triangular prism |
| <input type="checkbox"/> | Volume of a cone |
| <input type="checkbox"/> | Volume of a sphere |
| <input type="checkbox"/> | Volume of a composite shape |
| Pythagorean Theorem | |
| <input type="checkbox"/> | Using the Pythagorean Theorem |
| <input type="checkbox"/> | Pythagorean Theorem Application |
| Similar Triangles | |
| <input type="checkbox"/> | Similar triangles corresponding sides and angles |
| <input type="checkbox"/> | Missing measurements for similar triangles |
| <input type="checkbox"/> | Application of similar triangles |
| Conversions | |
| <input type="checkbox"/> | Unit conversion word problem: yards to inches |
| CALCULATOR/REFERENCE SHEET | |
| Calculator | |

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| <input type="checkbox"/> | Introduction to the GED Test TI-30XS |
| <input type="checkbox"/> | How to use the GED calculator for exponents and roots |
| <input type="checkbox"/> | Doing fractions on your TI 30XS |
| <input type="checkbox"/> | TI-30XS demonstration video |
| Reference Sheet | |
| <input type="checkbox"/> | GED math formula sheet |