



## Free Must-Have iPad Apps For Secondary Math

**Algebra Champ** - Designed for grades 6 - 8, Algebra Champ provides practice solving straightforward, single variable linear equations in a game-like format. Questions are randomly generated and presented in rounds of five. Answers are manageable integers (-10 to 10) and presented as multiple choice.

**Algebra Explained c. 1 Order of Operations LITE** - This lite version includes two lessons, two study card stacks, and two sets of practice problems.

**CandyFactory Educational Game** - CandyFactory is an educational game that teaches the concept of fractions to middle school students based on splitting operations with partitioning and iterating.

**Factor Race (Algebra)** - Factor Race is a game where the player must identify the binomial factors of trinomial equations.

**Fill the Cup** - Four math games allow children to experience math concepts through manipulation.

**Fraction Factory** - Enter the Fraction Factory and use your math skills to place fractions into their correct positions on a number line.

**Freddy Fraction** - Help Freddy find his way back home safely using fractions, decimals, and percentages to lead him back to his spaceship!

**Free Graphing Calculator** – What the name says. Supported by ads.

**HMH Fuse: Geometry, Common Core Edition** – This sample includes a complete chapter of content: Chapter 6: Quadrilaterals.

**HMH Fuse: Geometry Sample** – This app will allow you a sneak peek at the future of mobile geometry curriculum and includes a free sample chapter.

**iSpy-X** - iSpy-X is a fun way for kids to practice basic one-step math algebra skills while playing a game!

**Khan Academy: Algebra 1** - Khan Academy Algebra allows students to learn Algebra through 36 different videos.

**Khan Academy: PreAlgebra** - Khan Academy Algebra allows students to learn Algebra through different videos.

**Mad Minute Math HD** – This app provides different calculators, including standard, scientific, prime number, square root, properties of a circle, sine, cosine, and tangent.

**Math Snacks HD** - Math Snacks videos are available in HD for your iPad, complete with learner's guides, teacher's guides, and comic book transcripts for printing!

**MathTerms** - MathTerms is an illustrated glossary of mathematics terms in English and Spanish. The app includes almost 1,000 entries for middle and high-school mathematical concepts.

**Middle School Math 7<sup>th</sup> Grade** - Guide the monkey down the ladders to the end of a level. Math topics included are negative numbers, absolute value, and order of operations. There are three levels of difficulty for each topic.

**Multi Protractor** – Measure angles in three different units: degree, radian, gradian, and revolution.

**Ooops** - Ooops presents a series of problems that are solved by placing one or more sets of parentheses on the right side of the equation to make it equal to the number on the left. At any point, the player can check his work by pressing the check button to see how parentheses have changed the result. This will show them the steps of the problem as the operations are performed in order.

**Pearl Diver HD and Lobster Diver HD** – These apps, designed for grades 3-8, are great for understanding numbers, understanding fractions, reading a number line, and comparing and ordering fractions.

**Pizza Fractions: Beginning with Simple Fractions** - In a chef's pizzeria, your child masters the concept of naming simple fractions using pizza picture examples. Designed for grade levels 2-6, Pizza Fractions provides introductory practice with fractions in an approachable, game-like environment.

**Portion Platter** - Portion Platter (Fractions) helps students better visualize fractions and percentages and equivalent relationships between them. Two types of problems are presented at four different difficulty levels appropriate for grades 2-6.

**Proportion Solver** - Proportion Solver solves proportions, which are equations with two ratios. Enter a complete ratio and then a value for the numerator or denominator for the other ratio, and Proportion Solver will complete the incomplete ratio.

**Quick Graph** – This graphing calculator is capable of displaying explicit and implicit (opt) equations, as well as inequalities (opt) in both 2D and 3D, in all standard coordinate systems: Cartesian, polar, spherical and cylindrical, all of which can be copied, emailed, or saved to the photo library.

**Sketchpad Explorer** - Drag, manipulate, and animate visual mathematics to develop and generalize your understanding of fundamental concepts across elementary math, geometry, algebra, trigonometry, calculus, and beyond.

**Video Calculus** - By downloading Video Calculus, you will have access to over 15 featured lessons for free and you'll be able to preview any of the 250+ different lessons included in the app.