

#### Smash Your Food HD

- This awesome game helps students learn about healthy food choices while honing on their division skills. You'll learn what the right amounts sugar, fat, and salt are for you based on your personal info. Then it's time to smash!
- Foods appear in the smashing machine and it's up to you to figure out how much sugar, sodium, and fat are in each of the dishes. What's more, the game helps students visualize what goes into their bodies when they make not-so-healthy choices.
- This fun, silly game incorporates real math and nutrition learning seamlessly, tapping into that eternal kids desire to make a mess.
- Skills: Nutrition, Healthy Eating, Division

Requirements: Compatible with iPad. Requires iOS
 4.3 or later.

4.5 or rater.

• Price: \$2.99



URL: <a href="https://itunes.apple.com/us/app/smash-your-food-hd/id502316034?mt=8">https://itunes.apple.com/us/app/smash-your-food-hd/id502316034?mt=8</a>

# Trash Chaos – Best Kids Recycling App

- Trash Chaos teaches social responsibility and the benefits of recycling with interactive gameplay; students clean up trash by sweeping the garbage into the right recycling bin—plastic or organic—with their fingers.
- Success lets little conservationists move up to more complicated tasks like picking up litter. Earthtidying activities are interspersed with facts about the environment that teach children about ecology.
- Overall, the lessons on ecology, recycling and the environment are well done and the game is very engaging for students.
- Skills: Community & Cultures, Social Responsibility, Recycling, Eco-Awareness
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$2.99



#### Awesome Upstander!

- Bullying is a sensitive subject and can be tricky to navigate; however, this app successfully gets their anti-bullying message across while remaining engaging and fun—it's not too preachy or too complex for third-graders.
- The main idea is simple—students are asked to run, leap and dash around the school to save their friends from a mean-spirited bully. This app was created by a psychologist and relies on ageappropriate material to send a message about bystanders in bullying situations
- On the whole, Awesome Upstander! is completely entertaining and does the job of making bullying look bad while holding the attention of students. Ten levels of difficulty keep things challenging throughout the third grade school year.
- Skills: Bullying, Social Skills
- Requirements: Compatible with iPad. Requires iOS
- 4.2 or later.
- Price: \$0.99



URL: <a href="https://itunes.apple.com/us/app/awesome-upstander!-hd/id548928986?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/awesome-upstander!-hd/id548928986?mt=8&ign-mpt=uo%3D4</a>

(Norman 2013)

### Spanish Word Wizard

- This excellent app tests kids' Spanish knowledge with 1,500 spelling tests and questions corresponding to the 1,000 pre-loaded words.
- Spanish Word Wizard features a moveable, talking alphabet, which allows young language learners to create their own words and sentences, spoken aloud as they write. This allows little learners self-correct as necessary, enabling independent spelling and encouraging good grammar habits.





### Spanish Word Wizard

- Teacher Features
  - One thousand high frequency words—come pre-loaded, meaning the app provides your language immersion classroom with gradeappropriate material and spelling tests from kindergarten through third grade. You can even add your own words to create customized word lists.
- Skills: Punctuation, Phonics, Handwriting, Spelling, Pronunciation
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.0 or later.
- Price: \$2.99



URL: <a href="https://itunes.apple.com/us/app/spanish-word-wizard-spanish/id487162791?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/spanish-word-wizard-spanish/id487162791?mt=8&ign-mpt=uo%3D4</a>

### Spelling Space – 3<sup>rd</sup> Grade

- Try spelling in space with a green alien as a guide! Students create an account geared to their level and add lists of words to practice.
- The words are spoken out loud very clearly and precisely, allowing students to type out the word on a standard keyboard. Wrong spellings are not penalized. Students will stay motivated as they track their progress on the power bar that underlines each word—it goes from red to green as the words are learned. The app keeps track of frequently misspelled words for playback.
- Skills: Spelling, Sight Words, Typing, Word Recognition
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$0.99



### **SpellBoard**

- Download this app, for a no-nonsense helpmate. The easy interface makes entering a personal list of spelling words a snap.
- Load your student's weekly list, or use one of the pre-loaded lists created specifically for the grade. While there are few bells and whistles, this app tackles one of the major pain points of elementary school—rote memorization of spelling lists. Students can practice spelling using the app's whiteboard and break words into syllables.
- Ready to drill? Choose between 3 different activities—a word scramble, word search, or missing letter puzzle a-la- Wheel of Fortune.
- Once students feel ready to put their spelling to the test, there's a mode that allows for easy quizzing—either in alphabetical order or randomized mode.
- Subtle reminders like case-sensitive features reinforce that words that begin a sentence must be capitalized, and a dashboard shows which words have been mastered.



### SpellBoard

- Teacher Features:
  - The app includes audio recording, which helps students with auditory processing issues.
     Inputting pictures can help visual learners.
     Parents and teachers can differentiate words based upon the child's IEP goals.
- Skills: Grammar, Spelling, Vocabulary
- Requirements: Compatible with iPad. Requires iOS
   5.0 or later.
- Price: \$4.99





https://itunes.apple.com/us/app/spellb oard/id390290951?mt=8&ignmpt=uo%3D4

## Shake-a-Phrase: Fun with Words and Sentences

- Third graders most definitely will benefit from this app that sharpens grammar skills, builds vocabulary and stimulates creativity all at once. The app's addictive quality comes from the endless flow of funny phrases—you can shake it countless times and never get the same sentence twice. Engagement with reading activities is crucial for future reading fluency, and this app delivers.
- The app has a longer playability than most. You can also choose from several themes like fairy tales, monsters or sports to customize the app for different interests.
- Skills: Grammar, Vocabulary, Fluency, Reading Comprehension
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.2 or later.
- Price: \$1.99



URL: <a href="https://itunes.apple.com/us/app/shake-phrase-fun-words-sentences/id436414534?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/shake-phrase-fun-words-sentences/id436414534?mt=8&ign-mpt=uo%3D4</a>

(Norman 2013)

adjective: intelligent; bright; smart

The clever cheerleader tripped over the bouncy zamboni driver.

SHAKE.

## Sight Words Arena – Third Grade

- Sight words and drilling are an important part of developing reading fluency in grade three. This app is basic but effective for drilling.
- The selection of words is large (325) and varied. If you're using this app as a substitute for traditional flash card drilling you'll be satisfied—it does the job. Words are presented in alphabetical order only.
- There's a "show and say" button that can be tapped to repeat words that need reinforcement—this button can be turned on and off. The app also keeps track of your student's progress.
- Skills: Vocabulary, Sight Words, Rote Memorization
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.2 or later.
- Price: Free





## Vocabulary Builder Grade 3

- Kickstart rote learning with this no-frills flashcard app, featuring a tech-enhanced version of flash cards for memorizing vocabulary with extra interaction.
- Third-grade appropriate vocabulary is practiced, along with useful sample sentences that illustrate word meanings, parts of speech and words with similar meanings. Narration is also included for each word that is introduced, which helps children focus on phonics. The app requires the teacher to show the students how to operate the interface.
- Skills: Sight Words, Vocabulary, Rote Memorization

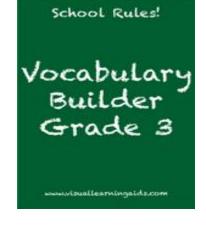
Requirements: Compatible with iPad. Requires iOS

4.2 or later.

• Price: \$1.99



URL: https://itunes.apple.com/us/app/vocabulary-builder-grades/id440969436?mt=8&ign-



### Goofy Mad Libs

- This app lets budding writers create delightfully silly stories just by filling in the blanks. Students choose a theme and fill in words—using the appropriate parts of speech of course—and a story is created full of kinks and quirks.
- Strangely enough, wacky words will make sense only if the player follows instructions—putting nouns, adjectives, adverbs, etc. in the right place.
- There's a strong emphasis on typing and children are required to fill in as many as 20 words to complete a story, so some patience and perseverance is needed.
- Skills: Grammar, Vocabulary, Parts of Speech, Reading Comprehension, Word Recognition
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3<sup>rd</sup> generation or later), and iPad. Requires iOS 5.1 or later.
- Price: Free



URL: <a href="https://itunes.apple.com/app/mad-libs/id326885152?mt=8">https://itunes.apple.com/app/mad-libs/id326885152?mt=8</a>

### Bobo Explores Light

- Dive into the wonderful world of light—bright, bendable, and colorful—with Bobo, the adorable illuminated robot.
- This innovative app encourages touch and exploration at every turn—from the "touch dial" table of contents to the tangible solar system.
- Your little scientist will be spellbound by Bobo's guidance, glowing graphics and a simple interface.
- Skills: The Human Body, Earth Science, Life Science, Physical Science

• Requirements: Compatible with iPad. Requires iOS

4.2 or later.

• Price: \$4.99





### **Amazing Alex**

- Kick start an early love of physics with *Amazing Alex*, an addictive puzzle game that students will love so much, they'll forget they're learning.
- This app starts simple, giving users the very basics: a movable shelf, a ball and a basket. For the first few stages, visual hints show users exactly where to swipe and tap. Game play starts simple, but difficulty increases with each stage, with more objects to manipulate.
- Teacher Features:
  - This app is a great way to teach basic physics to visual learners and reinforce lessons on force and motion.
- Skills: Motion, Force, Physics

• Requirements: Compatible with iPad. Requires iOS

4.2 or later.

• Price: \$2.99



URL: <a href="https://itunes.apple.com/us/app/amazing-alex-hd/id524334658?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/amazing-alex-hd/id524334658?mt=8&ign-mpt=uo%3D4</a>

#### Elastic World

- A ball in motion tends to stay in motion—if you know what you're doing! Shapes that expand and contract with a touch let students bounce balls around to grasp basic laws of physics.
- Budding Einsteins must manipulate the shapes to move the balls towards the goal. Complex physics concepts are simplified in an engaging, ageappropriate way for this age set—just drop and drag with no math involved.
- When the fluid forms work as advertised, this app can be a unique and challenging experience for budding third-grade physicists and science lovers alike.
- Skills: Physics, Logic
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3<sup>rd</sup> generation or later), and iPad. Requires iOS 5.0 or later.
- Price: Free \$0.99



#### Dinosaur Zoo

- Dinosaur Zoo, an app built for dino-crazy kids to study prehistoric maps and go over recent paleontology discoveries with this app. Your students can choose exactly which kinds of dinosaurs he or she wants in the dino sanctuary.
- Dinosaur Zoo delves fearlessly into the diverse world of dinosaurs, offering lesser-known breeds like Nemegtosaurus, Kentrosaurus, Muttaburrasaurus, and lots of others for students to feed, play with, and even, um, clean up after.
- Tapping the silhouette button at the bottom of each 'exhibit' brings up an extensive fact file on each dinosaur, showing where the dinosaur lived, what the world looked like at the time, and up-to-date information from expert paleontologists.
- Skills: History, Biology, Life Science, Prehistory, World History
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.0 or later.

• Price: \$1.99

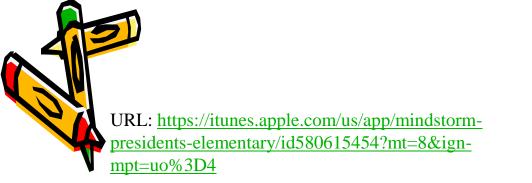
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https://itunes.apple.com/us/app/dinosaurzoo/id435085300?mt=8&ign-mpt=uo%3D4

## MindStorm Presidents Elementary

- This American history app includes games along with a healthy dose of facts. MindStorm Presidents Elementary allows the civic leaders of tomorrow to line up Ronald Reagan and Bill Clinton on a game board.
- Students can also test themselves with a quiz that covers all aspects of history and government—not just Commanders-in-Chief. Questions can be tricky, and get harder as they progress; students should have a love of politics to help keep them motivated. The solid educational prowess of this app lends itself nicely to a classroom setting.
- Teacher Features:
  - American history can be dry; this solid learning app is a great choice to break up monotony in the classroom.
- Skills: History, Civics & Government
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.1 or later.
- Price: \$0.99



#### Dragon Box +

- Everyone can learn difficult math and have fun solving algebra equations.
- This app helps students as young as 5 grasp complex math concepts in a fun, interactive way.
- Each round of the game features a screen with two distinct sides, with a treasure chest card on one side. The goal is to get the treasure chest card on its own by dragging cards from the deck that cancel each other out, just as if you were trying to solve for x in a real algebraic equation. This app offers several levels to accommodate learning.
- Introduces students to algebraic concepts that serve as the foundation for higher-level math.
- Skills: Algebraic concepts

• Requirements: Compatible with iPhone 3GS or higher, iPod touch (3rd generation or higher) and iPad. Requires iOS 4.0 or later.

• Price: \$5.99



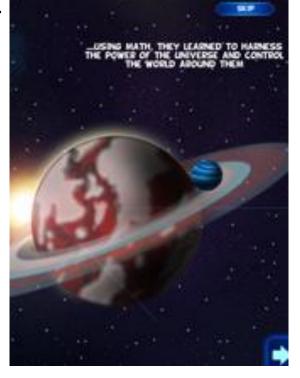


## Math Evolve: A Fun Math Game

- Pay homage to retro arcade-style games with this addicting space-themed math app, guaranteed to appeal to kids and adults alike. Take off on an intergalactic mission into outer space, solving puzzles and shooting down alien crafts as you fly.
- Watch out for enemy fire and avoid punching in too many wrong answers; both could lead to a failed mission.

 Missions are based on four different math operations—addition, subtraction, multiplication

and division.

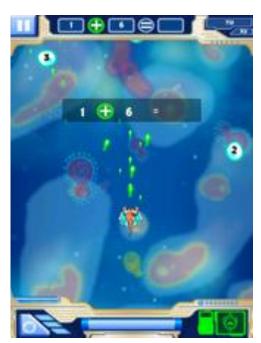




## Math Evolve: A Fun Math Game

- Teacher Features:
  - Statistics on each player profile lets you see the percentage of correct answers, and in practice mode the average time per answer, so you can gauge each student's comfort level with the operation.
- Skills: Subtraction, Addition, Division, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.1.3 or later
- Price: \$1.99





### Math Bingo

- This app goes above and beyond to improve on the old classic game, with engaging interactive elements and game play.
- Choose from addition, subtraction, multiplication or division, and race against the clock to solve the sums. Once bingo is reached, students earn a bug for their collection and to use in "bingo bug bungee," an addictive slingshot game where bugs collect coins.
- Skills: Subtraction, Addition, Division, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later
- Price: \$0.99





### Math Frogger

 Students must race each other (or the computer) to be the first to reach the pink amphibian princess by answering math problem.

The race itself is the most exciting part of the app. Choose from addition, subtraction, multiplication or division in the settings menu, and then start the game to take turns trying to answer the equations. On each turn a player is presented with two choices—two lily pads, each with a different number, appear in front of the frog. In a "Jeopardy" style format, the number on the lily pad represents the answer to a sum. Students choose the lily pad they want to hop to, and a calculator pops up for them to solve the sum.

 Skills: Subtraction, Addition, Algebra, Division, Multiplication

• Requirements: Compatible with iPhone 3GS or later, iPod touch (3<sup>rd</sup> generation or later), and iPad. Requires iOS 4.3 or later.

• Price: \$1.99

URL: <a href="https://itunes.apple.com/us/app/math-frogger-math-siege-">https://itunes.apple.com/us/app/math-frogger-math-siege-</a>

#### Learning Gems – Math 2.05

- Little buccaneers can practice math basics as they pick out answers to math problems in the form of pirate's booty.
- There are twelve levels of difficulty for each skill—addition, subtraction, multiplication and division. The pirate narrator is great fun and sounds sufficiently stern as he guides you along and warns. The problem sets are solid, but you have to be nimble to nab the frantically spinning pieces of treasure.
- Your student will stay motivated while having a blast with his pirate pal.
- Skills: Subtraction, Addition, Number Sense,
   Division, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$0.99



URL: <a href="https://itunes.apple.com/us/app/learning-gems-math-2.0/id547969616?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/learning-gems-math-2.0/id547969616?mt=8&ign-mpt=uo%3D4</a>

(Norman 2013)

### Slice It! Begins

- This charming and addictive app introduces basic geometric concepts in a dynamic visual and tactile interface that kids will like.
- Start by slicing up circles, squares and other shapes into halves, thirds and other fractions. The levels, called "episodes," increase in difficulty and can get quite challenging.
- As students progress, the puzzle pieces and slicing instructions get more complicated—fortunately players can earn hints and practice at any level until they become proficient. The emphasis on accuracy in cutting up the shapes sharpens fine motor and visual skills.
- Skills: Shapes, Fractions & Decimals, Geometry
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3<sup>rd</sup> generation or later), and iPad. Requires iOS 4.3 or later.



#### Pearl Diver HD

- This app is a great tool for visually tackling difficult math concepts.
- Little scuba divers use the number line for guidance as they dive for treasure. The interface is easy to use and very forgiving. Students get lots of chances and starts earning rewards right away for finding pearls along the number line.
- The app keeps score and everything's timed to motivate mini math whizzes to move fast. The repetition is good reinforcement for the more abstract concepts of number lines and numbers systems.
- Skills: Fractions & Decimals, Number Systems, Number Line
- Requirements: Compatible with iPad. Requires iOS 6.0 or later.
- Price: Free



#### Rocket Math

- Earn money (and learn about money concepts) by solving math problems in this fast-paced intergalactic app. Modern, sharp graphics are age-appropriate and still appealing to the upper-elementary crowd.
- This tool covers a lot of ground and provides practice for most third grade math basics like addition, subtraction, multiplication and division with an appealing theme—space exploration—that keeps students playing.
- Skills: Money, Time, Division, Multiplication, Addition, Subtraction, Number Sense

• Requirements: Compatible with iPhone 3GS or later, iPod touch (3<sup>rd</sup> generation or later), and iPad. Requires iOS 4.3 or later.

• Price: \$0.99

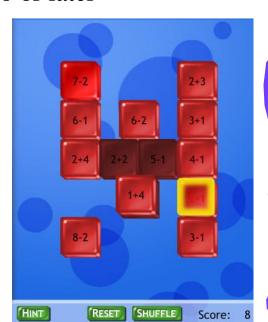




#### Match-Up Math

- Match your way to math success with this educationally rich app.
- In the same vein as many classic matching games, your mathematician clears tiles off the screen by matching problems and answers.
- If simple addition is too easy for your students, do not worry: *Match-Up Math* was made with longterm use and multiple grade levels in mind.
- Skills: Multiplication, Division, Decimals, Fractions, Subtraction, Addition
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later
- Price: \$2.99





## Splash Math – 3<sup>rd</sup> Grade Worksheets

- Dive into a host of supplementary practice—including addition, subtraction, multiplication and division—with this aquatic app.
- The free version includes two practice chapters, while the somewhat pricey paid version boasts 16 chapters that cover everything from multiplication to number sense, place value and money concepts. Parents and teachers can customize quizzes to meet the individual needs of different kids, by choosing the number of questions each child tackles along with the level of difficulty.
- The "scratchpad" feature allows kids to pull up a scribble-ready surface to work out solutions—a perfect complement to the already-stellar educational value here.
- One big drawback—the crabs can get very crabby when students get a wrong answer. Sensitive students might get upset when a cartoon crustacean is disappointed in their math equation misstep.

## Splash Math – 3<sup>rd</sup> Grade Worksheets

- Teacher Features:
  - This app is designed for classroom collaboration with the ability to keep track of student's progress and communicate with teachers directly or email report cards.
- Skills: Multiplication, Division, Money, Number Sense, Subtraction, Fractions, Addition, Place Value

Requirements: Compatible with iPad. Requires iOS

4.3 or later.

Price: Free



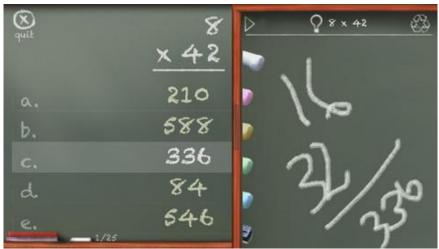
URL: <a href="https://itunes.apple.com/us/app/splash-math-3rd-grade-worksheets/id449564960?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/splash-math-3rd-grade-worksheets/id449564960?mt=8&ign-mpt=uo%3D4</a>

(Norman 2013)

#### MathBoard

- With a staggering array of settings and thorough help guides, this app represents an ambitious attempt to create the preeminent math teaching tool.
- The choices don't stop at multiplication or division, cubes or squares, easy or hard.
- MathBoard is a highly configurable math app appropriate for all school aged children. Beginning in kindergarten, with simple addition and subtraction problems, through elementary school where learning multiplication and division can be a real challenge.
- The options satisfy a wide range of students and skill levels, but they can be overwhelming for students.
- MathBoard would be best used in the classroom after a math teacher has tailored the settings to a specific purpose.





#### **MathBoard**

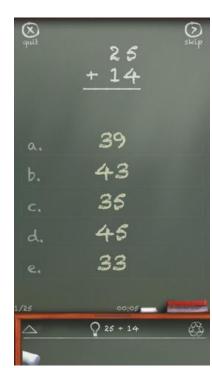
- Teacher Features:
  - Students can save results that a teacher could later check, lending a near test-like quality to this app.
- Skills: Addition, Subtraction, Algebra, Square Roots, Exponents, Division, Fractions & Decimals, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.0 or later.
- Price: \$4.99
  - To experience this app's versatility before dropping \$4.99 on it, try the free version, MathBoard Addition, which is limited to just addition problems but still boasts the same options and help guides.



#### Mathboard Addition

- As your student's math abilities grow, this app grows too.
- Adjust the difficulty level and the range of numbers you work with—you can go as high as 9999—as your student's confidence with numbers increases.
- You can set quizzes with up to 250 questions, and intelligent wrong answer generation makes it harder for them to guess.
- Skills: Addition, Subtraction, Algebra, Square Roots, Exponents, Division, Fractions & Decimals, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad.
   Requires iOS 5.0 or later.
- Price: Free





### Math Blaster HyperBlast

- Little space warriors saddle up their rocket blasters and takes off shooting at robots and space debris and collecting "shields" to power up their rides.
- Every once in a while, a math problem pops up and must be solved to keep going. By the time super spacemen encounter an equation, they'll probably be too hyped up to solve anything—and that's the point. There are many levels and categories to choose from at the start.
- Pick a theme such as addition, subtraction, multiplication, division, fractions or a combination of these basics and take off. Players ride through a mesmerizing obstacle course in deep space.
- Skills: Subtraction, Addition, Fractions & Decimals, Division, Multiplication
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3<sup>rd</sup> generation or later), and iPad. Requires iOS 3.2 or later.
- Price: Free



#### Match 10 Puzzle

- Adding to ten gets a little tricky with this number puzzle app, which challenges your students to match numbers that equal ten.
- Both logic and arithmetic skills are required. This app is best used as more of a puzzle pastime than a serious learning tool. Once math basics are mastered there is no learning curve—just more habit-forming puzzle play.
- Skills: Puzzles, Addition, Reasoning, Number Sense, Logic
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.0 or later.
- Price: Free





## Times Tables Quiz! (Multiplication Trainer)

- How do you get to be multiplication whiz?
   Practice, practice! Times Table Quiz!
   Multiplication Trainer keeps on quizzing endlessly.
- The game launches straight into multiplication madness. The quiz format is super simple and students will catch on right away. A problem appears on the "chalkboard" and students choose from multiple-choice answers. Speed is encouraged and gives a sense of urgency to find solutions fast..

#### Teacher Features:

- This app could be great for classroom use as a complement to traditional multiplication drilling.
- Skills: Multiplication, Number Sense
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free



URL: <a href="https://itunes.apple.com/us/app/times-tables-quiz!-multiplication/id441001315?mt=8&ign-mpt=uo%3D4">https://itunes.apple.com/us/app/times-tables-quiz!-multiplication/id441001315?mt=8&ign-mpt=uo%3D4</a>



(Norman 2013)

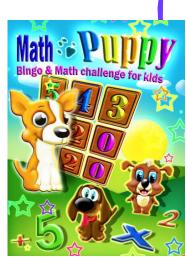
## Math Puppy: Bingo Challenge

- Math Puppy: Bingo Challenge gives your students their own electronic pet. When your whiz kid answers a question correctly in Bingo, the virtual furry friend fills a square, jumps and barks—but if they get it wrong, an X appears instead.
- In Challenge mode, they must solve a math problem within a certain time limit to advance to different levels, and eventually become a math expert. The app even provides a calculator to help with tough equations.
- Skills: Addition, Subtraction, Multiplication, Division

Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 later.

Price: Free





#### References

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