



iPad Apps for Maths

This list of apps has been collated by the Camden City Learning Centre (CLC), using suggestions from teachers throughout Camden.

App Name		Brief Description	Price
Open Ended iPad Tools and Apps			
Camera and video		Go on a shape walk, decimals using tiles, voice recorded instructions and clues to find a number. Create own instructional video.	Built in
Clock		The Clock on the iPad can do several things: Tell the time, stopwatch, timer or an alarm. Useful across a range of different lessons: timing a parachute fall in a science lesson, the time taken to run 20 metres in PE or setting the alarm to indicate that time's up in a test. Tell the time in a number of countries ; displays the time in up to five different cities at once and also shows where these cities are located on a map and what the weather is like in those locations. Great for learning about time difference.	Built in
Weather App		Creative way to introduce difference to children in a way that makes sense. Can tell children the temperature in both imperial and metric forms but also predict the weather over several days or even hour by hour for the next 24 hours. Can show the weather across several locations. Compare and contrast temperatures to introduce negative numbers in a way that is real and can provide an opportunity to raise the profile of any community in your class.	Many free ones available
Jumbo Calculator		Jumbo Calculator is the super simple large-buttoned calculator. Easy to read and find buttons, VoiceOver support for blind and low-vision users.	Free
Show me		Great for demonstrating problems and having students watch and / or demo and record themselves talking through it. Needs a log in.	Free

Screen chomp		<p>Highly intuitive and powerful app that you and your students can quickly master. To use ScreenChomp you simply touch the record button; draw on the whiteboard using the available pen or markers; and provide a running narrative. ScreenChomp records your voice and drawing and you can upload to screen chomp.com. Children can record visually, and with audio, the strategies they use to virtually any maths task and share with others in the classroom</p>	Free
Explain Everything		<p>Explain Everything is an easy-to-use design, screencasting, and interactive whiteboard tool that lets you annotate, animate, narrate, import, and export almost anything to and from almost anywhere. Create slides, draw in any colour, add shapes, add text, and use a laser pointer. Rotate, move, scale, copy, paste, clone, and lock any object added to the stage</p>	£1.99
Google Maps		<p>Ask children to recreate the buildings they see using blocks and observing the angles; using satellite view identifying differently shaped swimming pools; clicking down to Street View to see a cafe with tables outside, counting the tables and how many people are sitting there and so on. Search for "Shapes in Paris", "data handling in Nottingham" on the iPad, and it will open your google maps app, switch to satellite view and you can try some of Tom Barretts maths maps series of activities. (can also be done on the PC. The Measures in Madrid activity needs to be done on PC as no measurement tools in Pad app)</p>	free
5 Dice		<p>A maths game for upper Ks2 students that helps students enjoy practicing their order of operations. The game encourages students to use higher order thinking to solve the "target" number by working backwards given the answer but not the equation. Teachers are able to receive immediate feedback of their students' progress through email. Can also be played a s 2 player game via blue tooth</p>	free
Geoboard		<p>The Geoboard is a tool for exploring a variety of mathematical topics introduced in primary school. Learners stretch bands around pegs to form line segments and polygons and make discoveries about perimeter, area, angles, congruence, fractions, and more. Open-ended educational tool, ideal for class use and other learning environments On the iPad, switch between the standard 25-peg board and the expanded board with 150 pegs. The larger board makes it possible for students to create a wider variety of configurations.</p>	free

Teaching Graphs		<p>Teaching graphs includes two types of activities, 'Read' and 'Make' including picture graphs, Venn & Carroll diagrams, bar, pie and line charts.</p> <p>Students are asked to read and interpret data from four types of graphs, coming to recognise the features and purposes of each graph type. Students are also able to collect their own data and create their own graphs (4 different types of graphs) They can set labels, colours and adding values. Only thing it lacks is being able to set scale along the axes. Students can email a graph or save the graph to photo gallery.</p>	1.99
Undecided		<p>Handy tool for probability experiments</p> <p>6-sided die - roll up to 6 dice at once, Coin Flip - allows you to keep tally of heads and tails, Spinner, Straw Pull, Rock, Paper, Scissors (paid version only), Lehmer Algorithm Random Number Generator (Change max value in paid version) NOTE JUNE 2013 CURRENTLY FULL VERSION FREE</p>	Free - extras can be added
Numbler		<p>All the fun of games like Scrabble and Words With Friends, but instead of making words from letters players make equations from numbers. Numbler is great game for students to develop operations skills and algebraic thinking. Possible Classroom Uses: Students can play against the computer or against a friend, use the app to practice operations and algebraic thinking, connect the app to a projector, split the class / group into two and play against each other</p>	69p
Pattern Block		<p>From shape pictures to tessellations to fraction models Pattern Blocks is a geometry math app. Users have unlimited access to virtual shapes that can be added, dragged, rotated and removed to form patterns.</p>	69p
My Script Calculator		<p>Easy, simple and intuitive, just write the mathematical expression on the screen then let MyScript technology perform its magic converting symbols and numbers to digital text and delivering the result in real time.</p>	free
Virtual Manipulatives		<p>Explore the relationships between fractions, decimals and percentages</p>	free



idraw		Shape exploration; create transformations through rotations, reflections and resizing. Area & perimeter through drawings	5.99
QR reader (lots of different ones)		create multi step problems & word problem trail for children to solve or interactive worksheets with links to websites and videos etc	Prices vary
Place Value MAB		Part of the superb Aleesha Kondys set of apps designed to be used in conjunction with hands on activities and teacher interaction. Whilst some of the sections or 'modules' can be completed without teacher direction and encourage student-directed learning, the Apps are NEVER designed to be used as a 'learn by yourself' without teacher-student interaction. Includes lots of teaching ideas, examples and a few student games like listen and make . Very flexible. HTU blocks to drag around, count etc with some interactive activities for students to complete.	1.49
Mystery Number		Part of the superb Aleesha Kondys set of apps (see notes above) 100 squares and number lines to explore . Also includes one and two player games including the excellent "guess my number"	
EYFS Maths Apps			
Jelly bean count		Count the jellybeans using multitouch	Free



Toca Boca Store		An interactive app for multiple children or one child to play both shop keeper and customer. Children learn about making choices, counting, money, and also get the pleasure of selling their wares to "customers"!	£1.99
Tozzle		Shape matching games. Free and paid versions	Free/£1.49
Busy things Feed the monkey		Count out and give the monkey the number of treats he is asking for. If you get it right he will eat them all up! Great for developing early skills in number recognition and counting. As with all Busythings apps Feed the Monkey contains fun animations and sound effects.	free
Busy things Tunnel Trouble		Help the chicken escape by guiding him through the underground tunnels. Touch the tiles to rotate them into place. Create a tunnel so the chicken can get to the gate on the other side. In later levels you may have to cage the monster first! Great to introduce young children to problem solving and visualising rotations of simple shapes.	69p
Busy things Line up		Look at the sequence of men. Use the shower and reshaper to complete the sequence. The sequences will get harder as the child progresses. Excellent for helping young children talk about, recognise and recreate simple patterns.	69p
Busythings Shape Up!		Shape Up! is a shape game designed for very young children. Trace around the simple shapes or use the paint bucket to fill them in. Once you have finished your creation will come to life!	69p

<p>Busy Things Falling Wall</p>		<p>Position the pink men and yellow worms to stop them getting squashed! Click on the monkey to make the wall fall. Ideal for developing an awareness of position, symmetry and transformation in young learners.</p>	<p>69p</p>
<p>Busy things Block a Doodle do</p>		<p>The chicken is trying to get home! Drag the cars, trucks and buses out of the way so the chicken can drive along the road. In the later levels watch out for the monster trying to eat the chicken! Move the vehicles to block the monster in before the chicken drives past. Great to introduce young children to problem solving and visualising positions,</p>	<p>69p</p>
<p>Busy things Path Puzzler</p>		<p>Build paths to help the characters reach their island. The paths must not cross! Great for developing problem solving strategies in young learners. Good for following simple directions and describing positions.</p>	<p>69p</p>
<p>Counting with the very Hungry Caterpillar</p>		<p>Learn numbers and counting eating familiar foods from the story . Level 1 is counting and number names up to level 5 - a speed addition game</p>	<p>£1.99</p>
<p>Shape Puzzle HD</p>		<p>Lots of different puzzles where you build pictures from shapes.</p>	<p>Free</p>
<p>Maths age 3 - 5 Eurotalk</p>		<p>Free initially (one activity only available) Core activities for early maths skills - counting sorting comparing early addition and subtraction. English accent teacher figure, who shows 'how to' progression, and plenty of practice a quiz at the end of each topic, with a certificate a 'naming' button, to personalize the app for different children</p>	<p>Free/extras 69p -6.99</p>
<p>Ice Cream Fun</p>		<p>A game to help children practice their colours and understanding or patterns and numbers. This game is aimed at 2-4 year olds and those with autism and other special needs. Play through 3 levels with increasing ice cream tops and at the end they get a reward to create own ice cream with flavours and toppings!</p>	<p>69p</p>



Toddler Puzzle Shapes		This fun matching game helps improve visual perception & develop fine motor skills by dragging & dropping puzzle pieces to match the blinking silhouette. Also puzzle challenges that appear after three correct matches.. The puzzles are ideal for EAL children as the app offers several languages to choose from - English, Spanish, Portuguese, French, Italian, Hebrew, Chinese (Mandarin), Hindi	free
Little Digits Finger Counting		Using the iPad multi-touch screen, Little Digits displays number characters by detecting how many fingers you put down. Children can learn to associate the number on the screen with the number of fingers they place down. There are also games that introduce small addition and subtraction calculations, where you can work out the answer using the same multi-touch finger detection. You can record yours or the child's voice saying the numbers, even in a different language.	1.49
Finger count		Finger Count allows children to count using their fingers. When they see the objects on the screen they touch the screen with their fingertips to show how many objects there are. If there are 5 objects they touch with five fingers. There is also a tap mode which allows them to count the objects one by one by tapping on the objects. You can choose between a UK and US accent.	69p
Park Math HD		Park Math HD includes 3 levels. Level 1 includes counting up to 20 and addition/subtraction with numbers up to 5. Level 2 includes counting up to 50 and addition/subtraction with numbers up to 10. Level 3, which is only available in the iPad version, includes counting up to 100 and addition/subtraction with numbers up to 20.	1.49

KS1 Maths Apps

Busy things Tangranimals		Drag the shapes into the outline to complete the puzzle and make the creature come to life. The harder puzzles will need some of the shapes rotating before they will fit. For a really advanced challenge turn the guide lines off! It has thirty eight shape puzzles designed for young children but older children will also benefit.	1.49
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Maths age 4-6 Eurotalk		Second app in series - moving onto activities including Time, counting in 5s and 10s, activities on measurement, number lines and shopping. Features an English accent teacher figure, who shows 'how to' progression, and plenty of practice a quiz at the end of each topic, with a certificate a 'naming' button, to personalize the app for different children.	Free /3.99 per extra level
Amazing Coin		7 interactive games about GBP coins learning, counting, paying, making change, matching and etc. 20 pence rewards for each correct answer, with the rewards kids can buy food in the store, and eat them later. Its been translated from the US app and there are a few terminologies that may not be UK friendly eg "how many in all" but very engaging and effective for coin recognition etc.	£1.49
Sequence balloons		Pop 20 balloons in order. This is a great game for children to practice counting and sequences. They will need to recognize the numbers but also what number comes next in the sequence. There are 5 different sequences to play: 1-20, 2-40, 5-100, 10-200, 50-1000	69p
Octopus Numbers		This app will help children recognise different numbers from 1 to 20. The evil octopus robot is trying to escape his chains and must be stopped. Each link in the chain that has a weak spot has been identified with a number. The number is spoken and children must correctly tap it to fix the link. You can set the minimum and maximum number between 1 and 20 so you can narrow the practice range for the children. (Warning: made my 4 year old niece cry - didn't like the octopus!!)	69p
Toy Shop HD		TOY Shop HD is a fun way for children to learn to count using coins. The store contains 50 items to buy. Helps to learn the value of coins, you can choose from British coins, United States Coins or Euro Coins. This can be fun to play with coins from different countries or practice before going on holiday!	69p
Foldify		Draw, create, print and fold beautiful 3D figures with Foldify. Every action you take in Foldify is previewed in real-time 3D, and is great for exploring shape and properties of nets. Includes a collection of figure templates, and many categories of stamps like eyes and mouths that make it easy to create high quality figures. Or you can always draw your own.. Note - iPad 1 is not supported due to performance limitations.	1.99



Beebot App		<p>Bee-Bot App from TTS Group is based the Bee-Bot floor robot. The app makes use of Bee-Bot's keypad functionality and enables children to improve their skills in directional language and programming through sequences of forwards, backwards, left and right 90 degree turns. The app has been developed with 12 levels encouraging progression. Each level is timed and the faster it is completed the more stars you get! The levels are set in an engaging garden scenario and will appeal from age 4 upwards.</p>	free
Math Bumpies		<p>An educational adventure game which can be challenging both as a learning tool and as an arcade game. Players learn addition and subtraction while controlling a cute little character who is made to roll and jump through ten maps of increasing difficulty.</p>	1.49
Tens frame snap		<p>Tens Frame Snap is an educational card game aimed at KS2 children. The object of the game is similar to the game of snap in that children must "snap" pairs of cards, however, unlike normal snap, the cards used are tens-frame cards. There are three separate modes, each with sub-modes. Each of these game types are available in both Single-Player and Multi-player: Pairs, add and Difference</p>	Free /
Squeebles Series		<p>Times Tables, Maths bingo, Early birds, Division, addition and subtraction games. Fun interactive games where children are pitted against the evil maths monster. Is great for mental maths skills and drill repetition of number facts and children are motivated by getting bonuses for fast answers.</p>	69p each
Tanzen lite		<p>Choose a puzzle to solve, and try to fit all seven game pieces within the shaded puzzle area without overlapping. TanZen will recognize when the puzzle is finished. Great to explore classifying shapes and geometric relationships, developing spatial rotation skills, practising vocabulary for manipulating shapes (e.g., "flip," "rotate") Free has 45 puzzles and adverts, the paid for app has 500 puzzles and no adverts</p>	Free/2.49
Friends of 10		<p>Another Aleesha Kondys app. An activity to to introduce an early understanding of numbers to ten, counting objects to ten, recognising a collection of objects without counting them, counting on from a higher number, partitioning of objects and number bonds 8+2, 2+8, 1+9, 3+7 etc.</p>	69p



Marble Math Junior		Solve a variety of math problems by collecting numbers as you roll or drag your marble through a series of fun mazes for ages 5-8 (with audio questions for emerging readers)	1.99
Place Value		Practice place value of 2,3 and 4 digit numbers using multi-touch. The scoreboards spin and a number appears, you are asked with words and audio "How many tens". You must then use your fingertips to indicate how many of each digit there are. If there are 4 tens then you must hold 4 fingertips onto the screen and wait, if you are correct it will register and move onto the next place value.	69p
Tick Tock Tell the Time		Tick Tock is a simple app aimed at helping children learn, explore and practise telling the time. The app includes converting:-- Analogue -> Digital, -Digital -> Analogue, Analogue -> Words, Words -> Analogue, Digital -> Words, Words -> Digital	69p
Line 'em up		Children place number tiles, 1-100, in order from least to greatest. Options include using 10, 15, or 20 number tiles and beginning the number line at numbers 1-13.	free

KS2 Apps

Marble Math		Based on the US Common Core Curriculum, Marble Math is for upper KS2 students to practice mental maths. Earn new marbles and collect bonuses while reinforcing key concepts in pursuit of a high score. Option to replay the question or show the correct answer in a game simulation, before moving on to the next problem. Multiple user accounts so can have individual game settings, including problem types by level, and scores are saved in each user profile. Each child can also create their own avatar.	1.99
Lobster Diver		Understand numbers, ways of representing numbers, and number systems. Understand and represent commonly used fractions. Understand fractions as part of unit wholes and as locations on number lines. Compare and order fractions, and find their approximate locations on the number line.	Free

Pizza Fractions		Beginning with simple fractions, Basic Conversions, Comparing Simple fractions Pizza Fractions is a great visual app that makes fractions understandable. There are three versions available depending on what difficulty level you want. The first one is free and the other two are paid.	Pizza 1 Free /69p each for levels 2 and 3
Beebot Pyramid		Numeracy game which encourages directional language, sequencing and problem solving. The 2 nd Bee-Bot app teaches children how to direct and move their Bee-Bot character by giving it a set of sequential commands that they programme in, by pressing the keypad buttons. The levels progress from simple sequences to more challenging routes and tasks, suitable for Key Stage 2, age 7+	69p
Fraction monkeys		Drag the monkeys into place on the number line. If a mistake is made a clear clue is given to aid success. You can see it free online at www.fractionmonkeys.co.uk	69p
Times Table Lab		Numbered balls drop down and the player needs to move them to the right place on the times table. For example: 9 goes to 3x3, while 12 can go to 3x4, 4x3, 6x2 or 2x6. A new ball drops every few seconds. Starts at a 5x5 times table and works through levels up to a 12x12 times table. Players get points for correct answers	£1.49
Maths Attack Packs 1 2 and 3		Bundles of Maths apps from the Primary apps team, 3 different packs containing 3 different apps. Pack 1 contains Secret quest - guess the number, Monty's Quest - multiplication calculation, Grid Guru - Grid multiplication Pack 2 Fishy Numbers, Hickory Divide, Butterfly Brunch Pack 3 Mighty Measures More Mighty Measures Puzzling Presents	1.49 per pack 69p individually
Motion Maths zoom		Motion Math Zoom's zoomable, stretchable number line is missing some numbers - it's up to children to put the numbers back where they belong. The game uses concrete objects to represent abstract numbers: from dinosaurs in the thousands down to amoebas in the thousandths. Fun animal animations and sound effects help children master the number line.	Free Pro 3.99

Hungry Fish		<p>Hungry fish is a beautifully designed app that encourages mastery of basic addition and subtraction math facts and true number sense through a simple yet catchy game. You are given a fish that can only eat certain numbers at certain times. Very young children need only to match the correct number to the number on the fish. In more advanced levels children will need to add numbers together to make sure the fish can eat them ($5=1+4$, $2+3$, $5+0$). The most advanced levels include larger numbers, subtraction, negative numbers and a faster pace ($-16=-4+-12$, $-9+-7$ etc). If you don't feed your fish, it gets smaller.</p>	Free for first level -add on packs various prices
Grid Lines: Ordered Pair Game		<p>Like Five Dice, students can play Grid Lines in single player mode, or two player mode using bluetooth. The object of the ordered pairs game is to score the highest number of points by drawing a line that passes through or touches shapes located on the coordinate grid. Positive and negative numbers use the four quadrants on the coordinate grid. Four number tiles are given by the app to make two sets of coordinates. This game is like Battleship, only you are using shapes, not ships.</p>	1.49
Talk Maths (Pearson)		<p>Separate apps for year 4 5 6 - Talk Maths from Pearson gets children talking about maths and working together to solve problems in the primary classroom. Designed for pairs of children using iPads in school, each app provides four differentiated games to help children practise their mathematical vocabulary and speaking and listening skills.</p>	3.99 each
Mystery math town		<p>Designed to support classroom learning, Mystery Math Town provides a unique and engaging way to practice a range of maths concepts for ages 6-12 and up. Each player can customize various maths skills to suit their age and ability. Addition and subtraction: 0 to 10, 11 to 20, 21 to 50. Multiplication: $\times 1$, $\times 2$, $\times 5$, $\times 10$ and/or $\times 1$ to $\times 10$. Players can also select Varied Number Representations to include dice and tally marks for the above concepts.</p>	1.99
Pop Math		<p>Pairs of bubbles float on the screen and your goal is to pop each pair. For example, one bubble says "7" and another says "3+4". Simply touch one bubble and then the other to pop them both. At any time, you can choose different operators: addition, subtraction, multiplication and division.</p>	Free/69p
Squeebles Series		<p>Times Tables, Maths bingo, Early birds, Division, addition and subtraction games. Fun interactive games where children are pitted against the evil maths monster. Is great for mental maths skills and drill repetition of number facts and children are motivated by getting bonuses for fast answers.</p>	69p each



<p>Mathletics Student</p>		<p>Mathletics Student is available as a free download to all mathletics.com subscribers and requires login credentials to access. Mathletics Student includes only an initial selection of curriculum activities created especially for iPad. More will be added soon</p>	<p>Free to mathletics subscribers</p>
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