

Free Reading Secrets Of Mental Math The Mathemagicians Guide To Lightning Calculation And Amazing Math Tricks

Secrets Of Mental Math The Mathemagicians Guide To Lightning Calculation And Amazing Math Tricks

How to Calculate Quickly
Case Interview Secrets
How to Calculate Quickly
The Secrets of Mental Math
Miracle Math
BEING A MATHEMATICIAN
Secret Of Mental Math
Arithmetic: 70 Secrets To Super Speed Calculation & Amazing Math Tricks
Secrets of Mental Math
Number Talks
Mental Math
Secrets of Mental Math
Proofs that Really Count: The Art of Combinatorial Proof
The Magic of Math
177 Mental Toughness Secrets of the World Class
Mathematical Magic Show
Math Magic
The Trachtenberg Speed System of Basic Mathematics
Mental Math
The Best Mental Math Tricks
Secrets of Mental Math - Master the Art
Rapid Math Tricks & Tips
Secrets of Mental Math
Magical Mathematics
The Universe Speaks in Numbers
Mathematical Card Magic
Secrets of Mental Math
Fast Math: Learn the Secrets of Mental Math
Math Made Easy
Short-Cut Math
Mental Math
Speed Mathematics Simplified
Mathemagics
The Simpsons and Their Mathematical Secrets
Maths Sutra
Solving Problems with NMR Spectroscopy
Speed Mathematics
Mental Math Kids Can't Resist!
The Art of Mental Calculation
The Mental Math Magician
The Mental Calculator's Handbook

How to Calculate Quickly

Many useful procedures explained and taught: 2-column addition, left-to-right subtraction, mental division of large numbers, more. Also numerous helpful shortcuts. More than 8,000 problems, with solutions. 1945 edition.

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NEW EDITION: Is it possible for a person of average intelligence and modest means to ascend to the throne of the world class? The answer is YES! Not only is it possible - it's being done everyday. This book shows you how. Some of the Mental Toughness Secrets You Will Learn: Champions Lead Through Facilitated Introspection The World Class Compartmentalize Their Emotions The World Class Are Ferociously Cooperative The Great Ones Possess Supreme Self Confidence The World Class Embrace Metacognition The World Class Are Coachable Champions Know Why They Are Fighting The World Class Operate From Love and Abundance School Is Never Out For The Great Ones Champions Are Interdependent The Great Ones Are Bold Champions Are Zealots For Change The Great Ones Dont Give BackThey Just Give Champions Are Masters Of Mental Organization The Great Ones Only Negotiate Win-Win Deals Champions Seek Balance Champions Believe In Honesty The Great Ones Arent Afraid To Suffer Read more at <http://www.mentaltoughnesssecrets.com>

How to Calculate Quickly

One key to expanding your math potential-whether you're a CEO or a high school student-lies in the power to perform mental calculations. Solving basic math problems in your head offers lifelong benefits including a competitive edge at work, a more active and sharper mind, and improved standardized test scores. Discover the skills, tips, and tricks for tapping into your hidden math skills.

The Secrets of Mental Math

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The Art of Mental Calculation will make math fun and accessible to students of all levels. Whether as an enrichment program for aspiring math geniuses or fun practice as a classroom supplement, this book will have students excited to practice the joys of mental arithmetic in fun new ways. Following Arthur Benjamin's bestseller *Secrets of Mental Math*, this new workbook provides over 300 examples and exercises for doing rapid mental addition and subtraction. Through clever writing style, amusing illustrations, and engaging dialogue, the book makes math fun and accessible to everyone. The workbook consists of 20 lessons, 40 reproducible pages, an answer key with full solutions, and a certificate for aspiring mental mathemagicians.

Miracle Math

Ever find yourself struggling to check a bill or tax on a payslip? The Trachtenberg Speed System provides a course in refining basic mathematics skills to tackle large sums before simplifying to increase concentration and ability in day-to-day arithmetic. The Trachtenberg system has been described as the 'shorthand of mathematics' and only requires the ability to count from one to eleven. Using a series of simplified keys, it allows anyone to master numbers and calculations giving greater speed, ease in handling numbers and increasing accuracy. Jakow Trachtenberg believed that everyone is born with phenomenal abilities to calculate. He devised a set of rules that allows every child to make multiplication, division, addition, subtraction and square-root calculations with unerring accuracy and at remarkable speed. A perfect entry into gaining confidence with numbers.

BEING A MATHEMATICIAN

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Cheng, a former McKinsey management consultant, reveals his proven, insider's method for acing the case interview.

Secret Of Mental Math Arithmetic: 70 Secrets To Super Speed Calculation & Amazing Math Tricks

Boost kids' number confidence with these practical and easy-to-use mental-math strategies and fun reproducible practice pages. Students apply the strategies as they work on computation, problem solving, estimation, and so much more! Content meets the NCTM standards. For use with Grades 2-4.

Secrets of Mental Math

How math helps us solve the universe's deepest mysteries

One of the great insights of science is that the universe has an underlying order. The supreme goal of physicists is to understand this order through laws that describe the behavior of the most basic particles and the forces between them. For centuries, we have searched for these laws by studying the results of experiments. Since the 1970s, however, experiments at the world's most powerful atom-smashers have offered few new clues. So some of the world's leading physicists have looked to a different source of insight: modern mathematics. These physicists are sometimes accused of doing 'fairy-tale physics', unrelated to the real world. But in *The Universe Speaks in Numbers*, award-winning science writer and biographer Fermelo argues that the physics they are doing is based squarely on the well-established principles of quantum theory and relativity, and part of a tradition dating back to Isaac Newton. With unprecedented access to some of the world's greatest scientific minds, Fermelo offers a vivid,

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behind-the-scenes account of the blossoming relationship between mathematics and physics and the research that could revolutionize our understanding of reality. A masterful account of the some of the most groundbreaking ideas in physics in the past four decades. The Universe Speaks in Numbers is essential reading for anyone interested in the quest to discover the fundamental laws of nature.

Number Talks

Mental Math

Improve test scores, master "real world" math, and stop relying on your calculator! Math Made Easy is a fast and simple approach to mental math and quicker calculation. With sections for both mathophobes and mathletes alike, this unique book will transform the way you do math. This guide is filled with practical tricks that will help you: - Calculate tips mentally with ease - Perform complex math problems entirely in your head - Transform seemingly difficult math into simple equations Do you consider yourself bad at math? There is no such thing as a bad student - only a bad teacher! It's time to give yourself another chance by learning a new way to look at math. We start with addition and subtraction to rebuild your approach from the ground up. Or are you a math champ? Learn new tricks to do problems even faster and perform calculations in your head that will leave everyone impressed. Are you planning to apply to college in the US? The redesigned SAT will include a no-calculator math section - it's going to be more important than ever to be able to do calculations quickly and effectively on your own. Applying to grad school? Good math skills are a must for the GRE and

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GMAT. Plus, Math Made Easy is filled with practice questions to make sure you've got each technique down. As Socrates said, "Wisdom begins with wonder." Aren't you curious to see what you are capable of?

Secrets of Mental Math

Mathematics is not a new subject to us because almost everyone knows how to count either with fingers or pen and paper in whichever language we are comfortable with. Math is not only the game of numbers but also the language of nature. As a matter of fact, it has been established through research that the more we understand our universe, the more we discover interesting mathematical connections. For instance, flowers have spirals that are carefully lines up in a special sequence of numbers commonly referred to as Fibonacci numbers. This sequence can be studied, understood and generated. A study on seashells also revealed that they form perfect mathematical curves known as logarithmic spirals that originate from a chemical balance. Apart from the flowers and seashells, star clusters also form a mathematical arrangement in the way they tag on one another. This has been observed through astronomical studies. Scientists including mathematicians have spent centuries trying to discover the nature of math and how to develop a mastery of the same. It is possible to get comfortable with calculations of any nature as long as you discover the secrets behind the numerics. The reason why it is important to unravel and enhance your command of math is because numbers are part and parcel of our daily lives even in ways that at times we don't notice. For example, if you need to call someone, you need a phone number. The time you spend on your phone conversation is measured in hours

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and minutes which are also numbers. Think of any date in history including your birthday, graduation day or just any other significant day and you will find that recording it in numbers is much easier than in any other form. This book will show you the tricks and shortcuts that will make math so intriguing. You will definitely impress your friends and colleagues with your lightning fast calculating ability. But most importantly, these secrets will benefit you at a personal level because you will be able to handle complex numeric problems within seconds.

Proofs that Really Count: The Art of Combinatorial Proof

The Magic of Math

No matter how simple it may be, solving mathematical equations can be a challenge for quite a number of persons. Through his book titled "Secret Of Mental Math Arithmetic: 70 Secrets To Super Speed Calculation & Amazing Math Tricks", Jason Scotts seeks to provide the solution to those mathematical problems. The main challenge has come from the fact that most persons have become used to grabbing a calculator to solve a mathematical problem. As such, the mind has become a bit lazy and it takes a bit of prodding to get it working without having to use a calculator. The text takes everything back to basics and reminds the reader of simple techniques that they were taught in school. This text is a must have in any home as it can help an individual to learn how to conquer those math equations without having the need to reach for a calculator.

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177 Mental Toughness Secrets of the World Class

Prepare yourself to change the way you look at numbers. Tricks in this book will teach you to think like a math genius in a short time. Prepare yourself to be surprised and surprise your friends with incredible calculations that you never thought you could master. This book will teach you how to mentally solve operations faster than you ever imagined. It will teach you to considerably improve your numerical memory and to make mathematics fun. You will learn to mentally solve complex, by all appearances, operations; all you need is in this book, focused on some very simple techniques to master them. You will be able to solve diverse additions and subtractions, to multiply and divide three digit numbers quickly, and to determine squares - all of that in the twinkling of an eye. No matter your age or your current capacity of calculating, this book, written in a simple and accessible language, will allow you to do mental feats effortlessly. Get ready to discover mathematics and to become a human calculator.

Mathematical Magic Show

One key to improving and expanding your math potential--whether you're a corporate executive or a high-school student--lies in the powerful ability to perform mental math calculations. Solving basic math problems in your head is a gateway to success in understanding and mastering higher mathematical fields such as algebra, statistics, and calculus. Mental mathematics also is valuable when you're shopping for groceries or figuring out how much to tip at a restaurant. This 12-lecture course guides you through all the essential skills, tips, and tricks for improving and enhancing

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your ability to solve a range of mathematical problems right in your head.

Math Magic

Demonstrates how to solve math problems more quickly in one's head than with a calculator, and describes mathematical tricks and shortcuts

The Trachtenberg Speed System of Basic Mathematics

Recipient of the Mathematical Association of America's Beckenbach Book Prize in 2006! Mathematics is the science of patterns, and mathematicians attempt to understand these patterns and discover new ones using a variety of tools. In *Proofs That Really Count*, award-winning math professors Arthur Benjamin and Jennifer Quinn demonstrate that many number patterns, even very complex ones, can be understood by simple counting arguments. The book emphasizes numbers that are often not thought of as numbers that count: Fibonacci Numbers, Lucas Numbers, Continued Fractions, and Harmonic Numbers, to name a few. Numerous hints and references are given for all chapter exercises and many chapters end with a list of identities in need of combinatorial proof. The extensive appendix of identities will be a valuable resource. This book should appeal to readers of all levels, from high school math students to professional mathematicians.

Mental Math

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The Best Mental Math Tricks

A number sense approach to the four basic operations of arithmetic together with fractions and decimals

Secrets of Mental Math - Master the Art

Have you ever wondered how those freaks of nature known as Human Calculators do what they do? How they're able to solve seemingly impossible math problems in their head in mere seconds? Well there is a method to their madness! And in this book, I am going to spill all the beans From accurately determining the tip on your restaurant bill to considering how much interest you are going to end up paying if you refinance your mortgage, there are plenty of common math problems that you likely run into every day that send you sheepishly scurrying for a calculator. If you are interested in solving these problems, and many more just like them, in the blink of an eye using nothing but your wits and saving yourself countless hours in the long run, then "The Mental Math Magician" is the book you have been waiting for. Inside you will find a detailed breakdown of many of the equations, tips, and tricks that the world's best mathematicians use to compute impossibly complicated calculations using nothing more than their mental might. Addition, subtraction, multiplication, division, and all else will fall before your startling brain power thanks in large part to a variety of easy to memorize equations and simple strategies that you can use to untangle large numbers all in your mind. So, what are you waiting for? Don't struggle under the tyranny of a calculator any longer, and buy this book today! Here is a short preview of some of the things you will find in this book: Mental Math tricks and how to simplify Addition, Subtraction,

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Multiplication and Division How to do common conversions from everything from miles to kilometers to Fahrenheit to Celsius and everything in between The power of rounding and estimating Simplifying squares, roots and cubes Mental math tricks to impress your friends (my favorite chapter!) Easy and impressive ways to read the minds of anyone you meet And much, much more Buy the Paperback version of this book, and get the Kindle eBook version included for FREE! Don't wait any longer, and see what the Mental Math Magician is all about!

Rapid Math Tricks & Tips

Solving Problems with NMR Spectroscopy, Second Edition, is a fully updated and revised version of the best-selling book. This new edition still clearly presents the basic principles and applications of NMR spectroscopy with only as much math as is necessary. It shows how to solve chemical structures with NMR by giving many new, clear examples for readers to understand and try, with new solutions provided in the text. It also explains new developments and concepts in NMR spectroscopy, including sensitivity problems (hardware and software solutions) and an extension of the multidimensional coverage to 3D NMR. The book also includes a series of applications showing how NMR is used in real life to solve advanced problems beyond simple small-molecule chemical analysis. This new text enables organic chemistry students to choose the most appropriate NMR techniques to solve specific structures. The problems provided by the authors help readers understand the discussion more clearly and the solution and interpretation of spectra help readers become proficient in the application of important, modern 1D, 2D, and 3D NMR techniques to structural studies. Explains and

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presents the most important NMR techniques used for structural determinations Offers a unique problem-solving approach for readers to understand how to solve structure problems Uses questions and problems, including discussions of their solutions and interpretations, to help readers understand the fundamentals and applications of NMR Avoids use of extensive mathematical formulas and clearly explains how to implement NMR structure analysis Foreword by Nobel Prize winner Richard R. Ernst New to This Edition Key developments in the field of NMR spectroscopy since the First Edition in 1996 New chapter on sensitivity enhancement, a key driver of development in NMR spectroscopy New concepts such as Pulse Field Gradients, shaped pulses, and DOSY (Diffusion Order Spectroscopy) in relevant chapters More emphasis on practical aspects of NMR spectroscopy, such as the use of Shigemi tubes and various types of cryogenic probes Over 100 new problems and questions addressing the key concepts in NMR spectroscopy Improved figures and diagrams More than 180 example problems to solve, with detailed solutions provided at the end of each chapter

Secrets of Mental Math

You don't have to buy this book. Just read this till the end You don't have to buy this book. Just read this till end & you will learn something that will change the way you do math forever. Warning: I am revealing this secret only to the first set of readers who will buy this book & plan to put this secret back inside the book once I have enough sales. So read this until the very end while you still can.School taught you the wrong way to do mathThe way you were taught to do math, uses a lot of working memory. Working memory is the short

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term memory used to complete a mental task. You struggle because trying to do mental math the way you were taught in school, overloads your working memory. Let me show you what I mean with an example: Try to multiply the 73201×3 . To do this you multiply the following: $1 \times 3 = 0 \times 3 = 2 \times 3 = 3 \times 3 = 7 \times 3 =$ This wasn't hard, & it might have taken you just seconds to multiply the individual numbers. However, to get the final answer, you need to remember every single digit you calculated to put them back together. It takes effort to get the answer because you spend time trying to recall the numbers you already calculated. Math would be easier to do in your head if you didn't have to remember so many numbers. Imagine when you tried to multiply 73201×3 , if you could have come up with the answer, in the time it took you to multiply the individual numbers. Wouldn't you have solved the problem faster than the time it would have taken you to punch in the numbers inside a calculator? Do the opposite of what you were taught in school. The secret of doing mental math is to calculate from left to right instead of from right to left. This is the opposite of what you were taught in school. This works so well because it frees your working memory almost completely. It is called the LR Method where LR stands for Left to Right. Lets try to do the earlier example where we multiplied 73201×3 . This time multiply from left to right, so we get: $7 \times 3 = 21 \times 3 = 93 \times 2 = 60 \times 3 = 03 \times 1 = 3$ Notice that you started to call out the answer before you even finished the whole multiplication problem. You don't have to remember a thing to recall & use later. So you end up doing math a lot faster. The Smart Choice You could use what you learnt & apply it to solve math in the future. This might not be easy, because we just scratched the surface. I've already done the work for you. Why try to reinvent the wheel, when there is already a proven & tested system you can immediately apply. This book was first available in video

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format & has helped 10,000+ students from 132 countries. It is available at ofpad.com/mathcourse to enroll. This book was written to reach students who consume the information in text format. You can use the simple techniques in this book to do math faster than a calculator effortlessly in your head, even if you have no aptitude for math to begin with. Imagine waking up tomorrow being able to do lightning fast math in your head. Your family & friends will look at you like you are some kind of a genius. Since calculations are done in your head, you will acquire better mental habits in the process. So you will not just look like a genius. You will actually be one. Limited Time Bonus Weekly training delivered through email is available for free as a bonus at the end of this book for the first set of readers. Once we have enough readers, this bonus will not be available for free. Why Price Is So Low This book is priced at a ridiculous discount only to get our first set of readers. When we have enough readers the price will go up. Click Buy Now Click "Buy Now" to lock your discounted price & free bonus, or you risk coming back at a later date or even a few minutes from now to see the price go up. Click the yellow button that says "Buy Now" and lets get started.

Magical Mathematics

If you hate mathematics If you have always struggled to solve your maths problems in time If you are scared of complex calculations If you are attempting competitive or board exams Or if you would just like to improve your maths skills This book is for you! Based on the sixteen sutras, vedic maths is practically the only magical principle you need to tackle anything from simple arithmetic to algebra, algorithms, square roots, cube roots, trigonometry and many more mathematical concepts. In this book you will find easy methodology that will

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help you solve complex questions, and practice exercises that will test your understanding of these concepts. So go ahead, make Maths Sutra your essential guide to mathematics!

The Universe Speaks in Numbers

Entertaining, easy-to-follow suggestions for developing greater speed and accuracy in doing mathematical calculations. Surefire methods for multiplying without carrying, mastering fractions, working quickly with decimals, handling percentages, and much more.

Mathematical Card Magic

"This resource supports new and experienced educators who want to prepare for and design purposeful number talks for their students; the author demonstrates how to develop grade-level-specific strategies for addition, subtraction, multiplication, and division. Includes connections to national standards, a DVD, reproducibles, bibliography, and index"--Provided by publisher.

Secrets of Mental Math

Clear, concise compendium of about 150 time-saving math short-cuts features faster, easier ways to add, subtract, multiply, and divide. Each problem includes an explanation of the method. No special math ability needed.

Fast Math: Learn the Secrets of Mental Math

Learn Tricks And Strategies To Solve Everyday Math Problems Easily Will you pay more a \$19.99 shirt with a 20%

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discount or a \$24.99 shirt with a 30% discount? Can you quickly calculate how many eggs you'll need to make 100 pancakes, if your recipe says that 2 eggs make 20 pancakes? Can you reckon how much will a \$30/month gym membership cost over the course of 24 months without writing anything or pulling out a calculator? The truth is, most of the math you find yourself doing on a day to day basis it's usually done in your head, that's why improving your mental math skills is always useful. If you've grown up hating math, that's probably because you've been taught with the wrong approach. Math isn't just boring formulas and pointless calculations, it can actually be a really useful skill. It can help you calculate a discount on the fly, easily multiply big numbers or quickly figure out how much dough packs you'll need to make 50 cookies if one pack will be enough for 20. In this book you'll find many tricks and practical strategies to improve your math skills, learn how to make calculations faster and solve everyday math problems more easily. And don't worry This isn't your average and boring book on math theory. You'll find helpful, to-the-point tips and tricks that will actually help you speed up and simplify the calculations you do in your everyday life. Here are some practical tricks you'll learn: How To Quickly Multiply Any Number By 3, 4, 5, 6, 9 And 10. Practical Math Strategies That Will Help You Solve Everyday Math Problems More Easily How To Use The Plugging In Numbers (PIN) Technique To Make Calculations Without Any Calculator The Right Way To Calculate Discounts On The Fly And Save More While Shopping Tips And Tricks To Add And Subtract Fractions Faster What Is Trigonometry And How It Can Be Helpful In Physics, Marine Biology, Criminology And Surveying How To Quickly Determine Mean, Median And Standard Deviation In Everyday Life A Complete List Of Conversion Factors To Easily Switch Between Different Units How To Mentally Determine Your Mortgage And Down

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Math Made Easy

Martin Gardner's Mathematical Games columns in Scientific American inspired and entertained several generations of mathematicians and scientists. Gardner in his crystal-clear prose illuminated corners of mathematics, especially recreational mathematics, that most people had no idea existed. His playful spirit and inquisitive nature invite the reader into an exploration of beautiful mathematical ideas along with him. These columns were both a revelation and a gift when he wrote them; no one--before Gardner--had written about mathematics like this. They continue to be a marvel. This volume, first published in 1977, contains columns published in the magazine from 1965-1968. This 1990 MAA edition contains a foreword by Persi Diaconis and Ron Graham and a postscript and extended bibliography added by Gardner for this edition.

Short-Cut Math

You may have watched hundreds of episodes of The Simpsons (and its sister show Futurama) without ever realising that they contain enough maths to form an entire university course. In The Simpsons and Their Mathematical Secrets, Simon Singh explains how the brilliant writers, some of the mathematicians, have smuggled in mathematical jokes throughout the cartoon's twenty-five year history, exploring everything from to Mersenne primes, from Euler's equation to the unsolved riddle of P vs. NP, from perfect numbers to narcissistic numbers, and much more. With wit, clarity and a

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true fan's zeal, Singh analyses such memorable episodes as 'Bart the Genius' and 'Homer3' to offer an entirely new insight into the most successful show in television history.

Mental Math

Don't live in fear of math any longer. Math Magic makes math what you may never have imagined it to be: easy and fun! Scott Flansburg -- "the Human Calculator" who believes that there are no "mathematical illiterates," just people who have not learned how to make math work for them -- demonstrates how everyone can put their phobia to rest and deal with essential every-day mathematical calculations with confidence. This is the book for millions of otherwise successful adults who are afraid to balance their checkbooks and don't know how to figure interest on savings or credit, and for the millions of students who dread their math classes and live in fear of the SAT math section. In Math Magic, Scott Flansburg shows the reader how to: Master the basics, including the real way addition, subtraction, multiplication, and division work Simplify calculations through estimation Quick-check answers Convert metric measures to more familiar ones Figure tips, taxes, and percentages -- never get short-changed again! Master algebra using the nine easy steps to algebra Math Magic is for all of us who need and want to improve our understanding of math. With the help of Flansburg, the Guinness World Record holder as the Fastest Human Calculator, you can do math just like magic.

Speed Mathematics Simplified

"Magical Mathematics reveals the secrets of amazing, fun-to-perform card tricks--and the profound mathematical ideas

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behind them--that will astound even the most accomplished magician. Persi Diaconis and Ron Graham provide easy, step-by-step instructions for each trick, explaining how to set up the effect and offering tips on what to say and do while performing it. Each card trick introduces a new mathematical idea, and varying the tricks in turn takes readers to the very threshold of today's mathematical knowledge. For example, the Gilbreath principle--a fantastic effect where the cards remain in control despite being shuffled--is found to share an intimate connection with the Mandelbrot set. Other card tricks link to the mathematical secrets of combinatorics, graph theory, number theory, topology, the Riemann hypothesis, and even Fermat's last theorem. Diaconis and Graham are mathematicians as well as skilled performers with decades of professional experience between them. In this book they share a wealth of conjuring lore, including some closely guarded secrets of legendary magicians. *Magical Mathematics* covers the mathematics of juggling and shows how the I Ching connects to the history of probability and magic tricks both old and new. It tells the stories--and reveals the best tricks--of the eccentric and brilliant inventors of mathematical magic. *Magical Mathematics* exposes old gambling secrets through the mathematics of shuffling cards, explains the classic street-gambling scam of three-card monte, traces the history of mathematical magic back to the thirteenth century and the oldest mathematical trick--and much more"-

Mathemagics

An accessible guide to mathematical calculation reveals the secrets of rapid mental calculation, memorization, and other feats of the mind, with tips on how to add, subtract, multiply,

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divide, and work with fractions, squares, and cube roots.
Original. 15,000 first printing.

The Simpsons and Their Mathematical Secrets

Can you multiply 35×35 in your head? That is, can you square the number 35? There's a mental math trick so that you can easily square any number ending in 5. Here's how the trick works. Look at the first digit of 35, which is the number 3. We add one to that number, 4, and then multiply those two numbers together. So we have $3 \times 4 = 12$, and these are the leading digits of the answer. Now we just write 25 as the last two digits, so we get 1225. And that's it! We have calculated 35 squared is 1,225 in an amazingly simple way! Math does not have to be hard. The Best Mental Math Tricks is a collection of methods that can help you become a lightning calculator. You will learn how to solve daily problems like calculating percentages and figuring out which day your birthday is every year. Then you will learn how to square numbers, multiply numbers, divide numbers, and even solve complex problems like calculating the cube root of numbers in your head! Each method is explained in detail with numerous examples. Every method is mathematically justified with a formal proof. Each section also contains practice problems accompanied with complete solutions so you can try the method and check your work.

Maths Sutra

Think Fast with Vedic Math Secrets and Mental Calculation Tricks! When you read Fast Math, you'll discover Vedic Math Techniques for mastering basic functions: Addition Subtraction Multiplication Division and so much more! With

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this fascinating guide, you can quickly and easily determine the square roots of perfect square numbers and perform many other feats of mental gymnastics. These Vedic secrets mean you don't have to memorize mathematical facts anymore. By grasping the inner workings of math structures, you can make sense of all kinds of numbers without a calculator or a computer! The written addition most of us learn in school relies on simple and slow systems like "carry the 1" to get answers. There is an alternative - Vedic math moves at the speed of thought. Instead of summing columns and moving from right to left, Vedic math starts on the left. Add the largest numbers in your head, remember this figure, sum the smaller numbers and then just total the figures in your head! By holding numbers in your head while calculating others, you strengthen your working/short-term memory. This mental sharpness pays off in all parts of your life - from remembering names to articulating your thoughts more clearly.

Solving Problems with NMR Spectroscopy

Mental math is a skill people practice on a daily basis, often subconsciously, which involves doing calculations in your head. In mental math, you don't have to write down elaborate details concerning the variables involved. Children are usually encouraged to learn mental math skills early in school, because being good at mental calculations can make a person successful in many other fields. Please note that even if being good at mental math does not necessarily signify high intelligence, people usually think it does, and that perception can help you obtain opportunities for advanced study or career development. Mental math proficiency is not just good for academic pursuits but also helps make life easier overall. This book dives deep into the mechanics of mental math and

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provides examples that will help the reader build mental math proficiency quickly.

Speed Mathematics

These simple math secrets and tricks will forever change how you look at the world of numbers. Secrets of Mental Math will have you thinking like a math genius in no time. Get ready to amaze your friends—and yourself—with incredible calculations you never thought you could master, as renowned “mathemagician” Arthur Benjamin shares his techniques for lightning-quick calculations and amazing number tricks. This book will teach you to do math in your head faster than you ever thought possible, dramatically improve your memory for numbers, and—maybe for the first time—make mathematics fun. Yes, even you can learn to do seemingly complex equations in your head; all you need to learn are a few tricks. You’ll be able to quickly multiply and divide triple digits, compute with fractions, and determine squares, cubes, and roots without blinking an eye. No matter what your age or current math ability, Secrets of Mental Math will allow you to perform fantastic feats of the mind effortlessly. This is the math they never taught you in school.

Mental Math Kids Can't Resist!

Demonstrates a slew of time-saving tips and tricks for performing common math calculations. Contains sample problems for each trick, leading the reader through step-by-step. Features two mid-terms and a final exam to test your progress plus hundreds of exercise problems ranging from simple to more sophisticated. Also includes sections on “Mathematical Curiosities” and “Parlor Tricks” for math

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The Art of Mental Calculation

SKILLS THAT BUILD is a series that guides parents and educators to develop a child's essential life skills through activities that reinforce each skill in a fun and engaging way! Scare the spectre of mathematics away and develop mathematical thinking in a fun setting! Many grow up fearing the maths taught in school, which seems like a set of dull, tricky and timeconsuming rules. This is primarily because we are not taught to apply the tools of mathematics to understand the world. Being a Mathematician empowers a child by helping to develop winning-edge mathematical thinking instead of focussing solely on the rote learning of rules in order to solve math problems. The creative activities included in the book are uniquely designed to help exercise, nurture and enhance a child's ability to think mathematically. Effectively, this becomes a lifelong skill that ensures success. What's more: fun activities designed to run parallel to school curricula, engaging young minds in a much more interactive manner.

The Mental Math Magician

Presents mathematical shortcut and "how to develop a calculator in your head."

The Mental Calculator's Handbook

Mathematical card effects offer both beginning and experienced magicians an opportunity to entertain with a minimum of props. Featuring mostly original creations,

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Mathematical Card Magic: Fifty-Two New Effects presents an entertaining look at new mathematically based card tricks. Each chapter contains four card effects, generally starting with simple applications of a particular mathematical principle and ending with more complex ones. Practice a handful of the introductory effects and, in no time, you'll establish your reputation as a "mathemagician." Delve a little deeper into each chapter and the mathematics gets more interesting. The author explains the mathematics as needed in an easy-to-follow way. He also provides additional details, background, and suggestions for further explorations. Suitable for recreational math buffs and amateur card lovers or as a text in a first-year seminar, this color book offers a diverse collection of new mathemagic principles and effects.

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