

Mathemagic Number Tricks

Includes elementary puzzles, number stunts, mental multiplication, interest rates, oddities, and more.

Famed puzzle expert explains math behind a multitude of mystifying tricks: card tricks, stage "mind reading," coin and match tricks, counting out games, geometric dissections, etc. More than 400 tricks. 135 illustrations.

100 Math Brainteasers (Grade 7-10) is a subtle selection of one hundred arithmetic, algebra, and geometry assignments, which efficiently train the mind in math skills. It will be helpful for students attending High School and also in preparation for Mathematical competitions or Olympiads at a younger age. The assignments can equally be used in the classroom or in extracurricular activities. The fun and games are delightful, original, and solving them is even more enjoyable thanks to the funny illustrations. Most of the math problems do not require any exceptional mathematical proficiency, but above all, they challenge one's creativity and ability to think logically. Only a few solicit the knowledge of algebraic expressions and rules of geometry.

A collection of math brain teasers, card tricks, calculator riddles and more! Great teaching resource for math teachers (many grade levels).

Self-Working Number Magic

Magical Mathematics

How the Mind Creates Mathematics, Revised and Updated Edition

Mathematical Magic

Easy Magic Tricks

Joshua Jay's Amazing Book of Cards

Magic is everywhere, from the big spectacle celebrity of David Copperfield and Siegfried and Roy to the quirky Penn and Teller to the spooky David Blaine and Criss Angel to the endless material on YouTube. But until now, learning it has never been easy—that's all about to change with *Magic*, a book that does for close-up magic what *How to Grill* does for barbecue. Written by charismatic young magician Joshua Jay, *Magic* combines expertise, photographs, and step-by-step directions showing how to perform 100 tricks. Joshua Jay took home the top prize at the World Magic Seminar (the Olympics of magic) when he was just 16 years old. Now he continues to perform magic, write about magic, eat, sleep, and breathe magic. Here, he brings all his passion and knowledge to teaching magic. Each trick is broken down into the Effect, the Secret, the Set-up, and, most important, the Performance, with lessons on what to say, how to direct the audience's attention, where to keep your hands, and so on. (In other words, how to be smart about the things your audience is surprisingly clueless about.) Here are the Ten Greatest Card Tricks; tricks to dazzle a dinner date; tricks to perform for the boss (poke a hole through his shirt, then magically mend it); tricks especially for kids; and even tricks for an audience in another state—with "Australian Self-Help," you can find a participant's chosen card over the phone. It's the Aha! book for a subject whose time has come.

Provides instructions for performing different math tricks plus the explanations for why each trick works.

Before you can say 'Abracadabra', you can astound your friends with amazing math tricks and stunts. You'll pull calculator capers and card conjuring mysteries, as well as mind-baffling feats based on dice, calendars, coins and more. Make your calculator talk to you. Conjure up the date a friend was born Sprinkle a little magic into your subtraction Turn your calculator into a crystal ball Summon the 'Number Spirits' to predict which card will be pulled from a deck of cards

With the greatest of ease, you'll read people's minds, predict the future, make numbers appear out of nowhere, and perform astonishing hocus-pocus. It gives a new meaning to the expression 'math wizard'.

Teixeira and Park present over 60 different magic tricks while introducing students to high-level math areas. Readers will learn really interesting ideas that will better prepare them for future courses and help them finding areas they might want to study deeper. And as a 'side effect' students will learn amazing magic tricks, century-old secrets, and details from famous magicians and mathematicians. The material was written to quickly present key concepts in several mathematical areas in direct way. Little or no proficiency in math is assumed. In fact, students do not require any Calculus knowledge. And since chapters are almost independent from each other, this book also work as introduction to several other courses. Topics covered include mathematical proofs, probability, abstract algebra, linear algebra, mathematical computing, number theory, coding theory, geometry, topology, real analysis, numerical analysis and history of math.

Simple Math Tricks You Can Do in Your Head

Math Tricks, Puzzles & Games

The Phantom Tollbooth

Arithmetic, Algebra and Geometry Brain Teasers, Puzzles, Games and Problems with Solutions

The Complete Idiot's Guide to Street Magic

An Elementary Introduction to the Mathematical Theory of Knots

Why does $\text{elf} + \text{elf} = \text{fool}$? How many meals will Miss Mush, the lunch teacher, have to cook for the food to taste as bad as it smells? These Sideways Arithmetic problems may look puzzling at first, but you can use real maths to solve them, and the answers are right there in the book. There are lots of clues and hints; plus all the answers are in the back of the book. Best of all, all the kids you read about in the other books about Wayside School are here to help you! Try solving this, and more than fifty other maths brainteasers, along with the kids from Mrs Jewls's class. You'll learn a lot about maths but you'll be laughing too much to notice!

Challenging mathematical puzzles and tricks that may be played with cards, common objects, special equipment, drawings, and pure numbers

Even if you aren't David Copperfield, you can use these 57 hands-on tricks to enchant your students. Covering everything from basic math through basic algebra, Mathemagic in the Classroom features complete directions and thorough explanations for each trick, correlations to math content, and much more.

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Sideways Arithmetic from Wayside School

Magic

169 Astonishing Numerical Challenges

The Magic of Math

Let's Play Math

Think Like A Maths Genius

Stimulating treasury of entertaining tricks, stunts, and magical effects based on such mathematical principles and ideas as magic squares, the Fibonacci Series, Moebius strips, cycloids, topology, and more. Only simple props required: from playing cards and matches to coins. No magic or mathematical skills needed.

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

Demonstrates how to perform different types of card tricks with step-by-step instructions and photographs.

Using only common household items — handkerchiefs, string, playing cards, coins, thimbles — the 127 magic acts in this fully illustrated guide will help young novices amaze family and friends.

The Mathemagician and Pied Puzzler

The Mathemagician's Guide to Lightning Calculation and Amazing Math Tricks

Number Tricks

See Ya Later Calculator

Mathamazing

The Art of Calculating in Your Head

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.

Forget about David Copperfield, cruise ship illusionists, and birthday party magicians. They're so old school, so 20th century. The conjuring that people starting out in magic today want to do is edgier, grittier, quick, visual, and maybe a little dangerous - magic to the max. Welcome to the world of street magic! *The Complete Idiot's Guide to Street Magic* will teach you how to do it! Even some of the simplest stunts, if performed effectively, have the same strong potential to amaze onlookers as the more challenging feats. Out of the literally thousands of tricks that can be included, only those that are the most direct and have the greatest impact, both visually and psychologically, will appear in the book. Each magical effect will be rated on a scale from one-to-three stars, easy to difficult, according to how hard it is to learn and/or to perform.

Brush up on your math skills with fun games and puzzles. Text, illustrations, and suggested activities offer a common-sense approach to mathematic fundamentals for those who are slightly terrified of numbers.

More than 50 mindboggling maths puzzles! - Rejacketed
How to Be a Mathemagician

Mathematical Fun, Games and Puzzles

Magic, Puzzles and Games with Numbers

Teaching with Magic

The Complete Course

Clear instructions for 101 tricks and problems, many based on important math principles. Master such number phenomena as Lightning Calculations, Giant Memory, Magic Squares, nearly 100 more. 98 illustrations.

Math will never be the same again—and you'll love it! Fun tricks, calculator conundrums, brainteasers and other

numerical hoaxes will challenge every inch of your brain in the most satisfying way. There are even riddles to get you giggling. Amaze your friends with your psychic powers when you predict the outcome of the "7-11" card trick. Figure out how to cut a pepperoni pizza using only 3 straight lines-and still have a piece of pepperoni on each slice. Solve a series of pencil puzzles...without ever lifting the pencil from the paper. Build a house with 11 toothpicks; then move just one to make the building face the opposite direction. Comical illustrations add to the enjoyment. So sharpen a pencil, get a piece of paper, and start on these mathematical mysteries right away!

Think of a number between one and ten No, hang on, let's make this interesting. Between zero and infinity. Even if you stick to the whole numbers, there are a lot to choose from - an infinite number in fact. Throw in decimal fractions and infinity suddenly gets an awful lot bigger (is that even possible?) And then there are the negative numbers, the imaginary numbers, the irrational numbers like π which never end. It literally never ends. The world of numbers is indeed strange and beautiful. Among its inhabitants are some really notable characters - π , e , the square root of minus two and the famous golden ratio to name just a few. Prime numbers occupy a special status. Zero is very odd indeed. And even some apparently common-or-garden integers such as 37 have special properties. Adventures In Mathematics takes a tour of this mind-blowing but beautiful world of numbers and the mathematical rules that connect them. Find out mathematicians' favourite numbers, and the ones they are afraid of (spoiler: it isn't 13). Discover the incredible connection between numbers and the rules of nature. And learn some amazing mathematical tricks that will keep you amused for hours.

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

Secrets of Mental Math

Solving for x and Figuring Out Why
Mathemagic!

Magic Tricks, Card Shuffling and Dynamic Computer Memories
The Knot Book

A Magical Journey Through Advanced Mathematics: Connecting
More Than 60 Magic Tricks to High-Level Math

Knots are familiar objects. Yet the mathematical theory of knots quickly leads to deep results in topology and geometry. This work offers an introduction to this theory, starting with our understanding of knots. It presents the applications of knot theory to modern chemistry, biology and physics.

Dozens of number tricks from easy to expert.

"Our understanding of how the human brain performs mathematical calculations is far from complete. In *The Number Sense*, Stanislas Dehaene offers readers an enlightening exploration of the mathematical mind. Using research showing that human infants have a rudimentary number sense, Dehaene suggests that this sense is as basic as our perception of color, and that it is wired into the brain. But how then did we leap from this basic number ability to trigonometry, calculus, and beyond? Dehaene shows that it was the invention of symbolic systems of numerals that started us on the climb to higher mathematics. Tracing the history of numbers, we learn that in early times, people indicated numbers by pointing to part of their bodies, and how Roman numerals were replaced by modern numbers. On the way, we also discover many fascinating facts: for example, because Chinese names for numbers are short, Chinese people can remember up to nine or ten digits at a time, while English-speaking people can only remember seven. A fascinating look at the crossroads where numbers and neurons intersect, *The Number Sense* offers an intriguing tour of how the structure of the brain shapes our mathematical abilities, and how math can open up a window on the human mind"--Provided by publisher.

The math book for anyone who thinks they hate math, full of easy, entertaining and practical tricks for mentally solving problems in seconds. No matter how much you might try to avoid numbers, we all use math every day to calculate a tip, figure out an interest rate, or estimate the cost of the groceries in your cart. But the good news is, math can be easy—and even fun—if you know how to do it all in your head. With these simple and downright magical math tricks, you can do everyday math faster than it takes to dig out your phone and find the calculator app. Step-by-step and easy-to-memorize directions show more than 125 math operations anyone can do in their head. Plus, it features do-it-yourself math projects, puzzles, and a bonus section for advanced mathophiles. Get ready to tackle problems such as . . . • How to easily square any number • How to add three-digit numbers • How to use a mirror to measure the height of a building • How to make a ruler out of a dollar bill • How to use geometry to paint walls, cut floor tiling, and do other home renovations • How to subtract numbers . . . by adding
And lots more . . . No calculator required.

101 Foolproof Tricks

Mathemagics

Mathematics, Magic and Mystery

Classic Mathemagic

How Families Can Learn Math Together—and Enjoy It

The Number Sense

Did you know that it's easier to add and subtract from left to right, rather than the other way round? And that you can be taught to square a three-digit number in seconds? In *Think Like A Maths Genius*, two mathematicians offer tips and tricks for doing tricky maths the easy way. With their help, you can learn how to perform lightning calculations in your head, discover methods of incredible memorisation and other feats of mental agility. Learn maths secrets for the real world, from adding up your shopping and calculating a restaurant tip, to figuring out gambling odds (or how much you've won) and how to solve sudoku faster.

Educando con Magia El Ilusionismo como recurso didáctico MATERIAS: - Educación Primaria - Juego - Creatividad - Motivación - Formación docente ¿Puede un maestro ser Mago? ¿Es la Magia un recurso educativo eficaz? Para dar respuesta a estas preguntas, el autor de este libro, maestro y mago, ha creado un método de motivación real para alumnos: la Magia Educativa. Un método útil no sólo para motivar, sino para explicar, mediar en conflictos, modificar conductas, aumentar la autoestima, etc. Leyendo estas páginas, el lector aprenderá nuevas técnicas, sorprendentes por su eficacia. Los casi 100 juegos explicados en este libro son fáciles de hacer, requieren tan sólo un mínimo de práctica y están descritos con un lenguaje claro y sencillo y conciso. Los materiales que utiliza son de uso común en la escuela: folios, tizas, recortes de periódico, cartones, etc.; fomentando así el reciclaje, la reutilización y los valores de cuidado del medio ambiente. Educando con Magia presenta recursos innovadores y mágicos que favorecen la actualización de los profesionales de la educación. Maestros, profesores, padres, monitores, animadores, cuentacuentos o magos que quieran impartir talleres para niños, encontrarán en él infinitas sugerencias para poner en práctica inmediatamente. Existen muchos libros de MAGIA, sin embargo la comunidad educativa no disponía de una obra en la que se muestre cómo aplicar la magia en la educación, al servicio de los niños y jóvenes del presente.

This volume comprises an imaginative collection of pieces created in tribute to Martin Gardner. Perhaps best known for writing *Scientific American's* "Mathematical Games" column for years, Gardner used his personal exuberance and fascination with puzzles and magic to entice a wide range of readers into a world of mathematical discovery. This tribute

This enormous volume of maths puzzles will test how sharp readers are with numbers and provide hours of fun. There are mind boggling of every type - from amazing magic number tricks to beautiful geometric designs - and plenty of them too! This starts with puzzles that are fairly easy and builds up to ones that are really challenging. Tricks

and hints provide help along the way that will make the reader look like a whiz!

How to Look Like a Genius Without Really Trying

Mathemagics: A Magical Journey Through Advanced Mathematics -

Connecting More Than 60 Magic Tricks To High-level Math

Math for Smarty Pants

Mathemagic

The Mathematical Ideas That Animate Great Magic Tricks

The Math Dude's Quick and Dirty Guide to Algebra

With almost 5 million copies sold 60 years after its original publication, generations of readers have now journeyed with Milo to the Lands Beyond in this beloved classic. Enriched by Jules Feiffer's splendid illustrations, the wit, wisdom, and wordplay of Norton Juster's offbeat fantasy are as beguiling as ever.

"Comes up bright and new every time I read it . . . it will continue to charm and delight for a very long time yet. And teach us some wisdom, too." --Phillip Pullman For Milo,

everything's a bore. When a tollbooth mysteriously appears in his room, he drives through only because he's got nothing better to do. But on the other side, things seem different. Milo visits the Island of Conclusions (you get there by jumping), learns about time from a ticking watchdog named Tock, and even embarks on a quest to rescue Rhyme and Reason. Somewhere along the way, Milo realizes something astonishing. Life is far from dull. In fact, it's exciting beyond his wildest dreams!

Mathematics is an integral part of our life but many of us think of it only as a subject to be studied in school or college. In this book, Aditi and Sudhir Singhal, renowned maths educators, demystify mathematical principles and outline fascinating, fun and easy-to-learn techniques to excel in this field. Divided into two parts, How to Be a Mathemagician is a double-sided book (flip the book around to switch between sections!) that packs twice the punch, with one section containing tricks and delightful activities, and the other stimulating problem-solving steps to simplify calculations, quirky maths facts and much more. Meant for all age groups—students, teachers and parents alike, How to Be a Mathemagician will make you fall in love with the world of numbers.

The world's greatest mental mathematical magician takes us on a spellbinding journey through the wonders of numbers (and more) "Arthur Benjamin . . . joyfully shows you how to make nature's numbers dance." -- Bill Nye (the science guy) The Magic of Math is the math book you wish you had in school. Using a delightful assortment of examples—from ice-cream scoops and poker hands to measuring mountains and making magic squares—this book revels in key mathematical fields including arithmetic, algebra, geometry, and calculus, plus Fibonacci numbers, infinity, and, of course,

mathematical magic tricks. Known throughout the world as the "mathemagician," Arthur Benjamin mixes mathematics and magic to make the subject fun, attractive, and easy to understand for math fan and math-phobic alike. "A positively joyful exploration of mathematics." -- Publishers Weekly, starred review "Each [trick] is more dazzling than the last." -- Physics World

Need some serious help solving equations? Totally frustrated by polynomials, parabolas and that dreaded little x ? THE MATH DUDE IS HERE TO HELP! Jason Marshall, popular podcast host known to his fans as The Math Dude, understands that algebra can cause agony. But he's determined to show you that you can solve those confusing, scream-inducing math problems--and it won't be as hard as you think! Jason kicks things off with a basic-training boot camp to help you review the essential math you'll need to truly "get" algebra. The basics covered, you'll be ready to tackle the concepts that make up the core of algebra. You'll get step-by-step instructions and tutorials to help you finally understand the problems that stump you the most, including loads of tips on: - Working with fractions, decimals, exponents, radicals, functions, polynomials and more - Solving all kinds of equations, from basic linear problems to the quadratic formula and beyond - Using graphs and understanding why they make solving complex algebra problems easier

Learning algebra doesn't have to be a form of torture, and with The Math Dude's Quick and Dirty Guide to Algebra, it won't be. Packed with tons of fun features including "secret agent math-libs," and "math brain games," and full of quick and dirty tips that get right to the point, this book will have even the biggest math-o-phobes basking in a-ha moments and truly understanding algebra in a way that will stick for years (and tests) to come. Whether you're a student who needs help passing algebra class, a parent who wants to help their child meet that goal, or somebody who wants to brush up on their algebra skills for a new job or maybe even just for fun, look no further. Sit back, relax, and let this guide take you on a trip through the world of algebra.

100 Math Brainteasers (Grade 7, 8, 9, 10)

Mathemagic in the Classroom

Discover the strange and beautiful world of mathematics

A Collection in Tribute to Martin Gardner

How Numbers Work