High School Math Made Simple English Edition

The Big Fat Notebook series for high school takes on Pre-Algebra & Algebra I, often a student's first high school-level math course, and a big challenge.
"Can you help me with my math homework?" The mere mention of the word math can bring dread and frustration to both parents and students alike. Takehome Teacher: Middle School Math Explained is an easy-to-read, easy-to-use, and easy-to-understand handbook explaining math concepts. With a quick review of a page or two you have all the information you need to help your child complete his homework without frustration or confusion and, perhaps best of all, with a great feeling of accomplishment. This book covers all middle school math standards and is a great resource for improving skills and test scores.
The focus of the book is on meeting the Mathematical needs of students in Senior High Schools who will be taking the West Africa Senior School Certificate Examination (WASSCE) and students preparing for the the Private Candidates Examination. For the reason that the student-teacher ratio is uncomfortably high in our SHS, individual attention to students in the classroom is generally not practicable. Hence, the need for text books written for SHS to be necessarily detailed as this book to enable students follow it independently without supervision. This book is also written to serve as an introductory text for undergraduates and other tertiary students.
Features questions and answers on standard algebra topics such as linear equations, polynomials, square roots, and quadratic equations.
Learning and Understanding
High School Math Made Simple
Middle-School Math Explained
Do Not Open This Math Book
A Companion to School Experience
Being a Very-simplest Introduction to Those Beautiful Methods of Reckoning which are Generally Called by the Terrifying Names of the Differential Calculus and the Integral Calculus
Practical Guidance for Long-Overdue Transformation

Why am I writing a Math book? The book's focus is on how to solve math problems quickly and in your head as much as possible. Speed without sacrificing accuracy is the primary emphasis. Both can be achieved. I have always loved basic math and have enjoyed mental math since my childhood days. The good foundation has helped me greatly later in my career. I have worked with my kids on math problems and enjoy working with them. I believe I can present the tips and thought process in solving math problems intuitively. I enjoy writing books and have written two successful books, the first one on Advanced Chip design, closely related to my work, and the second one on stock investments and personal finance, another subject close to my heart. There are numerous books available, and as a writer, the challenge always is how much and what to present. I have researched it thoroughly and have very high hopes that this book on math will be for the ages and something to keep for a lifetime. My expectation is that students receive perfect math score (800) or scores close to 800. I worked with my son on his SAT math prep. I helped him in understanding various math concepts and how to speed up. I believe it helped, though I give him credit for his determination and openness to learning. He scored close to perfect (790 out of 800) on SAT math. Last but not the least, it will be a befitting tribute to my Mom, who shaped my early years (she was also my school math teacher) and built a strong foundation on math for me. I am excited that she is also a contributor to this book.
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 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?
Dramatically Improving High School Mathematics Must Start Now! High school math is failing many students. Out-of-date and stale curricula are not only dull, but perpetuate inequity by limiting opportunities and failing to prepare a majority of students for life in the 21st century. Even traditionalists recognize that the status quo is no longer acceptable. Major shifts in course organization, mathematical content, pedagogy, and assessment are long overdue. Practical Guidance for Meaningful Transformation Invigorating High School Math is a clarion call for meaningful transformation. Throughout the book, Steven Leinwand and Eric Milou address the most critical challenges facing high school mathematics and provide practical guidance for: addressing challenges and excuses that often short-circuit new approaches making the case for the importance of and rationale for changing high school math creating core integrated math courses for grades 9 and 10 and coherent pathways for grades 11 and 12 making critical shifts in pedagogy and classroom practice designing high-quality assessments and using them effectively developing and executing a rational implementation plan A Stimulus for Discussion and a Road Map for Change Many of these ideas will not be broadly popular. It's likely that none of them will be easy to implement. That's no surprise: For nearly a century, the basic structure of high school mathematics has barely changed-not because of its effectiveness, but because the status quo is a powerful force requiring purposeful action to break. This book was written for every high school math educator and leader-as both a stimulus for discussion and a road map for change. Our hope, say the authors, is that this book stimulates change, empowers teachers, and guides the profession on this critical journey to invigorate high school mathematics.
Learn at home with help from The Wonder Years/Hallmark actress, math whiz, and New York Times bestselling author Danica McKellar using her acclaimed McKellar Math books! Addition and subtraction are as easy as 1+2+3 with this fun and accessible introduction to the essentials of math. This funny and educational book will have readers embracing math instead of fearing it. Finally, a FUN book to read with kids that helps bridge the gap between what's being taught in school and how today's parents learned math back in the day. Giggle your way through entertaining lessons on addition and subtraction involving muffins, turkey sandwiches, kittens, googly eyes, and more! Danica McKellar uses her proven math techniques to give children the solid grasp of addition and subtraction that will be key to their success and unlock their potential in the classroom and beyond! You will WANT to open this math book!
Algebra I For Dummies
Takehome Teacher

Everyday Maths Made Simple
Living Proof
Arithmetic Made Simple
The Mathematical Ideas That Animate Great Magic Tricks

This is the perfect introduction for those who have a lingering fear of math. If you think that math is difficult, confusing, dull or just plain scary, then The Math Handbook is your ideal companion. Covering all the basics including fractions, equations, primes, squares and square roots, geometry and fractals, Dr. Richard Elwes will lead you gently towards a greater understanding of this fascinating subject. Even apparently daunting concepts are explained simply, with the assistance of useful diagrams, and with a refreshing lack of jargon. So whether you're an adult or a student, whether you like Sudoku but hate doing sums, or whether you've always been daunted by numbers at work, school or in everyday life, you won't find a better way of overcoming your nervousness about numbers and learning to enjoy making the most of mathematics.
Introduces young readers to graphing through the activities of a young boy at a garden center gathering data and displaying it in a picture graph, a bar graph, and a Venn diagram.
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

Calculus Made Easy by Silvanus P. Thompson and Martin Gardner has long been the most popular calculus primer, and this major revision of the classic math text makes the subject at hand still more comprehensible to readers of all levels. With a new introduction, three new chapters, modernized language and methods throughout, and an appendix of challenging and enjoyable practice problems, Calculus Made Easy has been thoroughly updated for the modern reader.
Improving Advanced Study of Mathematics and Science in U.S. High Schools
tutoring for the next generation
The Essentials of High School Math
Core Mathematics Made Simple For Senior High Schools In West Africa
Stories of Resilience Along the Mathematical Journey
Homework Made Simple
Improve Your Math

The perfect antidote to numbers-phobia, this clear, concise guide explains everything you need to know about arithmetic, fractions, statistics, probability, algebra and geometry. We all use numbers every day, yet many people are uncomfortable with them, finding them daunting and difficult. Others treat numbers as a practical tool they can handle quite well, while failing to appreciate their most amazing qualities. This book is the antidote to number-phobia. As with learning to swim, you ' ll never look back: these are skills you ' ll use for the rest of your life. If you think you ' re good with numbers already, you ' ll soon discover what you ' ve been missing: the endless fascination and beauty of numbers, and - at the more practical level - a whole range of techniques and shortcuts you never knew existed. Mastering Numbers brings the subject to life, replacing the atmosphere of the classroom with the wonder of the magician ' s workshop. In learning to enjoy numbers, we discover a multitude of practical skills - everything from understanding statistics and the odds gamblers face to the interest rates on savings and ways to maximise your returns. Never again need you flounder in a business meeting or an encounter with your bank manager - and if the chance arises to chat to him more casually, you could impress with stories about pi, prime numbers, Fermat ' s theorem, and much else besides. Full of enjoyable exercises, puzzles, demonstrations and self-testing interludes, this is a book to instruct and give pleasure.
Provides homework tips, tools, and solutions for parents and their children customized by the child's homework profile: the disorganized, the rusher, the procrastinator, the avoider, the inattentive, and the easily frustrated.
An independent book written and self-published by former math teacher and private math tutor Larry Zafran. Students are justified in proclaiming that "math is hard," but there is a specific reason why they feel this way. The author maintains that the struggle can be lessened by following the roadmap presented, but it will take time and effort on the part of the student. Since math is often not properly taught, it is often not properly learned. Anything that hasn't truly been learned, regardless of subject, is "hard." Once the various concepts are more secure, and the student's gaps in understanding have been addressed, math will have been made "a bit easier" as promised by the book's title. However, the book does not imply that learning math is fast, fun, or easy. Most of the book's content is comprised of the roadmap of topics for a student to work through at his/her own pace. Like all paths, it begins at the beginning, in this case starting with a review of basic arithmetic, followed by basic operations, negative numbers, fractions, decimals, percents, and basic probability and statistics. This is the foundation of all math. The space devoted to each topic is proportional to how difficult most students find the topic, as well as how important the topic is in preparation for later math studies. The material is explained conversationally and "in plain English" as promised by the book's subtitle, without talking down to the reader, and without the use of contrived examples or cartoonish illustrations. The book concludes with a chapter on how to effectively study math and improve scores on exams. Like the rest of the book, the chapter takes a unique standpoint on the matter, and offers suggestions which include how to get oneself into the proper mental and emotional mindset for being successful with math.
High School Math Made SimpleHigh school math made simpletutoring for the next generationHigh School Math Made SimpleThe Maths HandbookEveryday Maths Made Simple
Magical Mathematics
High school math made simple
Everyday Mathematics Made Simple
Addition + Subtraction
Math, Better Explained
Money Math
Mastering Numbers

A grocery store is filled with much more than food. The aisles and shelves hold plenty of fun, too. As Justin helps his mother shop, he explores the variety of 3-D shapes all around him. As Justin can show you, there are always plenty of shapes to see!
This is the perfect introduction for those who have a lingering fear of maths. If you think that maths is difficult, confusing, dull or just plain scary, then The Maths Handbook is your ideal companion. Covering all the basics including fractions, equations, primes, squares and square roots, geometry and fractals, Dr Richard Elwes will lead you gently towards a greater understanding of this fascinating subject. Even apparently daunting concepts are explained simply, with the assistance of useful diagrams, and with a refreshing lack of jargon. So whether you're an adult or a student, whether you like Sudoku but hate doing sums, or whether you've always been daunted by numbers at work, school or in everyday life, you won't find a better way of overcoming your nervousness about numbers and learning to enjoy making the most of mathematics.
Learning to Teach Mathematics in the Secondary School covers a wide range of issues in the teaching of mathematics and gives supporting activities to students to enable them to translate theory into practice. Topics covered include: mathematics in the National Curriculum different teaching approaches using ICT mathematics education for pupils with special needs in mathematics assessment and public examinations teaching mathematics post-16 professional development.
Understanding maths has never been easier. Combining bold, elegant graphics with easy-to-understand text, Simply Maths is the perfect introduction to the subject for those who are short of time but hungry for knowledge. Covering more than 90 key mathematical concepts from prime numbers and fractions to quadratic equations and probability experiments, each pared-back, single-page entry explains the concept more clearly than ever before. Organized by major themes - number theory and systems; calculations; geometry; algebra; graphs; ratio and proportion; measurement; probability and statistics; and calculus - entries explain the essentials of each key mathematical theory with simple clarity and for ease of understanding. Whether you are studying maths at school or college, or simply want a jargon-free overview of the subject, this indispensable guide is packed with everything you need to understand the basics quickly and easily.
Basic Math Explained in Plain English
3-D Shapes
The Magic of Math
Length Word Problems
Math Made a Bit Easier
Addition and Subtraction
Learning to Teach Mathematics in the Secondary School

Whether you are stumped by the "commutative law" in algebra or a whiz at multiplying three-digit numbers in your head, this book opens the door to the wonders of mathematical imagining. By using simple language and intriguing illustrations drawn by her husband, Hugh, Lillian Lieber presents subtle mathematical concepts in an easy-to-understand way. Over sixty years after its release, this whimsical exploration of how to think in a mathematical mood will continue to delight math-lovers of all ages. Barry Mazur's new introduction is a tribute to the Liebers' influence on generations of mathematicians.
For almost four decades, Made Simple books have set the standard for continuing education and home study. In answer to the changing needsof today's marketplace, the Made Simple series for the '90s presents a thoroughly up-to-the-minute portfolio of skills, information, and experience, with revised and updated editions of bestselling titles, plus a whole range of new subjects from personal finance to office management to desktop publishing. B & W illustrations throughout

This primer on money will change how you see addition and subtraction. What can a handful of coins get you? Well, it depends on how many you've got. . . . and what they are. In this fun introduction to American currency, a variety of past presidents introduce themselves and their denominations. You'll learn who's on each coin and bill, and what they're worth-- and how many of one it takes to add up to another. Dollars, cents, and decimals are explained in accessible, kid-friendly language, with tons of examples and try-it-yourself problems and activities. The mathematical concepts of addition, subtraction, multiplication and division become hands-on in this innovative math book from trusted duo David A. Adler and Edward Miller, whose award-winning collaborations have been helping students tackle complicated problems for years. After reading Money Math, kids will be confident with their pocket change! A Junior Library Guild Selection

Wow! This is a powerful book that addresses a long-standing elephant in the mathematics room. Many people learning math ask ``Why is math so hard for me while everyone else understands it?'' and ``Am I good enough to succeed in math?'' In answering these questions the book shares personal stories from many now-accomplished mathematicians affirming that ``You are not alone; math is hard for everyone'' and ``Yes; you are good enough.'' Along the way the book addresses other issues such as biases and prejudices that mathematicians encounter, and it provides inspiration and emotional support for mathematicians ranging from the experienced professor to the struggling mathematics student. --Michael Dorff, MAA President This book is a remarkable collection of personal reflections on what it means to be, and to become, a mathematician. Each story reveals a unique and refreshing understanding of the barriers erected by our cultural focus on ``math is hard.'' Indeed, mathematics is hard, and so are many other things--as Stephen Kennedy points out in his cogent introduction. This collection of essays offers inspiration to students of mathematics and to mathematicians at every career stage. --Jill Pipher, AMS President This book is published in cooperation with the Mathematical Association of America.

Graphing

Magical Mathematical Properties

The Math Handbook

Commutative, Associative, and Distributive

Calculus Made Easy

Math Made Easy

Invigorating High School Math

A new look at maths without the Boring Bits . . . How many trillions are there in a googol? Which fractions are vulgar? What famous mathematician refused to eat beans? And which one never travelled without his pet spider in an ivory box? Mathematical theorems and equations are inextricably entangled with the great, and often eccentric thinkers who made breakthrough discoveries. Teacher and numbers expert Liz Strachan takes readers beyond the classroom, combining anecdotes, proofs and party tricks to reveal the foundations of algebra, geometry and trigonometry in a clear and entertaining style. From the Difference Engine to magic squares and from the Fibonacci rabbits to Fermat's Last Theorem, this fascinating tour of the weird world of numbers, imaginary, real or infinite, will appeal to anyone with an enquiring mind.

Combining mathematical rigor with light romance, Math Girls is a unique introduction to advanced mathematics, delivered through the eyes of three students as they learn to deal with problems seldom found in textbooks.

Designed to aid middle school students build basic math proficiency and prepare for the challenges of high school. Covers basic arithmetic, fractions, decimals and percentages, algebra and geometry, graphic methods, statistics and probabilities. Includes problem-solving strategies, explanations of difficult math concepts, guides to different types of math problems found on standardized and classroom math tests and hundreds of practice problems with complete answer explanations. Also features a pre-test and post-test to help identify strengths and weaknesses and measure progress.

The Essentials of High School Math was designed to help students learn the basics of mathematics that they are supposed to understand upon entering high school, as well as the fundamental lessons within Algebra, Geometry, and Statistics that students typically learn in ninth and tenth grade. It is specifically intended for students identified as possibly having trouble on an upcoming state-mandated math exam, or for those who have already failed such an exam and must re-take it. The book was created to include everything a student needs to study, practice, and learn the material that any high school student should know. It contains almost 1,000 problems for students to practice, and the lessons themselves contain about 100 questions from actual state exams that are thoroughly explained, along with hundreds of other examples. Each lesson is designed to cover one topic only so that students may learn and thoroughly understand that topic. Whether with the help of a teacher, tutor, parent, or even alone, any student should be able to read through a lesson and have a good understanding of it. The Essentials of High School Math is recommended for any student that needs help with math.

Math for the Ages!

Core Mathematics Made Simple for Senior High Schools in West Africa

All The Maths You Forgot To Remember From School

A Slice of Pi

Problem Solving Made Simple for Middle School Math

The Education of T.C. MITS

Simply Maths

Algebra I For Dummies, 2nd Edition (9780470559642) is now being published as Algebra I For Dummies, 2nd Edition (9781119293576). While this version features an older Dummies cover and design, the content is the same as the new release and should not be considered a different product. Factor fearlessly, conquer the quadratic formula, and solve linear equations There's no doubt that algebra can be easy to some while extremely challenging to others. If you're vexed by variables, Algebra I For Dummies, 2nd Edition provides the plain-English, easy-to-follow guidance you need to get the right solution every time! Now with 25% new and revised content, this easy-to-understand reference not only explains algebra in terms you can understand, but it also gives you the necessary tools to solve complex problems with confidence. You'll understand how to factor fearlessly, conquer the quadratic formula, and solve linear equations. Includes revised and updated examples and practice problems Provides explanations and practical examples that mirror today's teaching methods Other titles by Sterling: Algebra II For Dummies and Algebra Workbook For Dummies Whether you're currently enrolled in a high school or college algebra course or are just looking to brush-up your skills, Algebra I For Dummies, 2nd Edition gives you friendly and comprehensible guidance on this often difficult-to-grasp subject.

"This book offers readers insight into solving length word problems. Designed to support the Common Core State Standards, this title includes strategies such as using drawings, symbols, and number lines solve problems. Real-world examples and engaging text make learning meaningful to young readers"--

This book takes a fresh look at programs for advanced studies for high school students in the United States, with a particular focus on the Advanced Placement and the International Baccalaureate programs, and asks how advanced studies can be significantly improved in general. It also examines two of the core issues surrounding these programs: they can have a profound impact on other components of the education system and participation in the programs has become key to admission at selective institutions of higher education. By looking at what could enhance the quality of high school advanced study programs as well as what precedes and comes after these programs, this report provides teachers, parents, curriculum developers, administrators, college science and mathematics faculty, and the educational research community with a detailed assessment that can be used to guide change within advanced study programs.

Properties aren’t magic! They are special rules that numbers follow so you can solve problems quickly in your head. Using detailed instructions and rhythmic text, students gain understanding of when and how to use mathematical properties. This book will allow students to apply properties of operations as a strategy to add and subtract, or multiply and divide.

SAT and High School Math

Learn to Unlock Your Math Intuition

Covering the Standards Set by the National Council of Teachers of Mathematics

Tips, Tools, and Solutions for Stress-free Homework

Mathematics: A Very Short Introduction

The Maths Handbook

Everything You Need to Ace Pre-Algebra and Algebra I in One Big Fat Notebook

The focus of this book is on meeting the Mathematical needs of students in Senior High Schools who will be taking the West Africa Senior School Certificate Examination (WASSCE) and students preparing for the Private Candidates Examination. For the reason that the student-teacher ratio is uncomfortably high in our SHS, individual attention to students in the classroom is generally not practicable. Hence, the need for text books written for SHS to be necessarily detailed as this book to enable students follow it independently without any supervision. This book is also written to serve as an introductory text for undergraduates and other tertiary students.

Math, Better Explained is an intuitive guide to the math fundamentals. Learn math the way your teachers always wanted.

The aim of this volume is to explain the differences between research-level mathematics and the maths taught at school. Most differences are philosophical and the first few chapters are about general aspects of mathematical thought.

"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"-

Math Girls

A Quick and Easy Guide to Mental Math and Faster Calculation

Solving for x and Figuring Out Why

Algebra Made Simple

Everything You Need to Ace Geometry in One Big Fat Notebook

What Modern Mathematics Means to You

The Big Fat Notebooks go to high school! A lively, fully illustrated guide to acing high school geometry, with clear notes on the big ideas, helpful tips for memorizing processes and remembering definitions, and lively doodles that make math easier to understand (and fun to study).