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The Book of Perfectly Perilous Math
 A Focus on Addition and Subtraction
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 Everyday Maths for Grown-Ups
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 From Music to Mathematics
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 How I Wish I'd Taught Maths
 Murderous Maths: The Most Epic Book of Maths EVER
 The Language of Mathematics
 Secrets of Mental Math
 How Not to Be Wrong
 The Enjoyment of Mathematics
 The Hidden Mathematics of Sport
 Common Sense Mathematics: Second Edition
 Vedic Mathematics for Schools
 Math for Grownups
 Maths for Mums and Dads
 Math with Bad Drawings

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DANIELA JAMARCUS

The Book of Perfectly Perilous Math Portico
 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.

A Focus on Addition and Subtraction JHU Press
 Numerical ability is an essential skill for everyone studying the biological sciences but many students are frightened by the 'perceived' difficulty of mathematics, and are nervous about applying mathematical skills in their chosen field of study. Having taught introductory maths and statistics for many years, Alan Cann understands these challenges and just how invaluable an accessible, confidence building textbook could be to the fearful student. Unable to find a book pitched at the right level, that concentrated on why numerical skills are useful to biologists, he wrote his own. The result is Maths from Scratch for Biologists, a highly instructive, informal text that explains step by step how and why you need to tackle maths within the biological sciences. Features: * An accessible, jargon-busting approach to help readers master basic mathematical, statistical and data handling techniques in biology * Numerous end of chapter problems to reinforce key concepts and encourage students to test their newly acquired skills through practice * A handy, time-saving glossary * A supplementary website with numerous problems and self-test exercises

Maths from Scratch for Biologists Workman Publishing Company
 Children's Choice Award winner Bethany Barton applies her signature humor to the scariest subject of all: math! Do multiplication tables give you hives? Do you break out in a sweat when you see more than a few numbers hanging out together?

Then I'm Trying to Love Math is for you! In her signature hilarious style, Bethany Barton introduces readers to the things (and people) that use math in amazing ways -- like music, and spacecraft, and even baking cookies! This isn't a how-to math book, it's a way to think differently about math as a necessary and cool part of our lives!

Mathematics for Machine Learning Springer Science & Business Media

Taking the reader on a wondrous journey through the invisible universe that surrounds us--a universe made visible by mathematics--Devlin shows us what keeps a jumbo jet in the air, explains how we can see and hear a football game on TV, and allows us to predict the weather, the behavior of the stock market, and the outcome of elections. Microwave ovens, telephone cables, children's toys, pacemakers, automobiles, and computers--all operate on mathematical principles. Far from a dry and esoteric subject, mathematics is a rich and living part of our culture.

The Mathematical Experience, Study Edition Feiwel & Friends

Uses math as a tool for explaining the complicated patterns of love, tackling such common questions as the chance of finding love that will last, how online dating works, and when to compromise.

Maths Prep Springer Nature

Brought to an American audience for the first time, How I Wish I'd Taught Maths is the story of an experienced and successful math teacher's journey into the world of research, and how it has entirely transformed his classroom.

I'm Trying to Love Math Simon and Schuster

The book emerges from several contemporary concerns in mathematics, language, and mathematics education. However, the book takes a different stance with respect to language by combining discussion of linguistics and mathematics using examples from each to illustrate the other. The picture that emerges is of a subject that is much more contingent, much more relative, much more subject to human experience than is usually accepted. Another way of expressing this, is that the thesis of the book takes the idea of mathematics as a human creation, and, using the evidence from language, comes to more radical conclusions than most writers allow.

A Readable Introduction to Real Mathematics Routledge

With a foreword by Tim Rice, this book will change the way you see the world. Why is it better to buy a lottery ticket on a Friday? Why are showers always too hot or too cold? And what's the connection between a rugby player taking a conversion and a tourist trying to get the best photograph of Nelson's Column? These and many other fascinating questions are answered in this

entertaining and highly informative book, which is ideal for anyone wanting to remind themselves – or discover for the first time – that maths is relevant to almost everything we do. Dating, cooking, travelling by car, gambling and even life-saving techniques have links with intriguing mathematical problems, as you will find explained here. Whether you have a PhD in astrophysics or haven't touched a maths problem since your school days, this book will give you a fresh understanding of the world around you.

Meaning in Mathematics Education Springer Science & Business Media

A hilarious reeducation in mathematics--full of joy, jokes, and stick figures--that sheds light on the countless practical and wonderful ways that math structures and shapes our world. In Math With Bad Drawings, Ben Orlin reveals to us what math actually is; its myriad uses, its strange symbols, and the wild leaps of logic and faith that define the usually impenetrable work of the mathematician. Truth and knowledge come in multiple forms: colorful drawings, encouraging jokes, and the stories and insights of an empathetic teacher who believes that math should belong to everyone. Orlin shows us how to think like a mathematician by teaching us a brand-new game of tic-tac-toe, how to understand an economic crisis by rolling a pair of dice, and the mathematical headache that ensues when attempting to build a spherical Death Star. Every discussion in the book is illustrated with Orlin's trademark "bad drawings," which convey his message and insights with perfect pitch and clarity. With 24 chapters covering topics from the electoral college to human genetics to the reasons not to trust statistics, Math with Bad Drawings is a life-changing book for the math-estranged and math-enamored alike.

Reveal Math. Accelerated Oxford University Press

Winner of the 1983 National Book Award! "...a perfectly marvelous book about the Queen of Sciences, from which one will get a real feeling for what mathematicians do and who they are. The exposition is clear and full of wit and humor..." - The New Yorker (1983 National Book Award edition) Mathematics has been a human activity for thousands of years. Yet only a few people from the vast population of users are professional mathematicians, who create, teach, foster, and apply it in a variety of situations. The authors of this book believe that it should be possible for these professional mathematicians to explain to non-professionals what they do, what they say they are doing, and why the world should support them at it. They also believe that mathematics should be taught to non-mathematics majors in such a way as to instill an appreciation of the power and beauty of mathematics. Many people from around the world have told the authors that they have done precisely that with the first edition and they have encouraged publication of this revised

edition complete with exercises for helping students to demonstrate their understanding. This edition of the book should find a new generation of general readers and students who would like to know what mathematics is all about. It will prove invaluable as a course text for a general mathematics appreciation course, one in which the student can combine an appreciation for the esthetics with some satisfying and revealing applications. The text is ideal for 1) a GE course for Liberal Arts students 2) a Capstone course for perspective teachers 3) a writing course for mathematics teachers. A wealth of customizable online course materials for the book can be obtained from Elena Anne Marchisotto (elena.marchisotto@csun.edu) upon request.

What Is Mathematics, Really? Birkhäuser

Ten years from now, what do you want or expect your students to remember from your course? We realized that in ten years what matters will be how students approach a problem using the tools they carry with them—common sense and common knowledge—not the particular mathematics we chose for the curriculum. Using our text, students work regularly with real data in moderately complex everyday contexts, using mathematics as a tool and common sense as a guide. The focus is on problems suggested by the news of the day and topics that matter to students, like inflation, credit card debt, and loans. We use search engines, calculators, and spreadsheet programs as tools to reduce drudgery, explore patterns, and get information. Technology is an integral part of today's world—this text helps students use it thoughtfully and wisely. This second edition contains revised chapters and additional sections, updated examples and exercises, and complete rewrites of critical material based on feedback from students and teachers who have used this text. Our focus remains the same: to help students to think carefully—and critically—about numerical information in everyday contexts.

Everyday Maths for Grown-Ups Portico

101 fun maths games and activities for parents to play with kids aged 4 to 14 Need some help with addition? Play a game of Salute Having trouble with times tables? Try Times Table Donk Floundering with fractions? Get creative cutting up the toast with your kids at breakfast Busy mums or dads are crying out for quick and easy ways to help their children with primary school maths and beyond. Here are 101 simple tips, games and activities to make practising maths as engaging and enjoyable as possible, for you and your child. All can be incorporated into the everyday routine – at home and on the go – with minimal fuss and no expensive kit – helping children have fun with numbers. Indeed, most of the time they won't even realise that maths is involved. Sneaky! Areas covered include, addition and subtraction, multiplication and division, fractions, ratio and proportion, telling the time, estimation, measurement, geometry and shapes, with an emphasis on problem solving throughout.

Why Do Buses Come in Threes? Springer

This answer book contains all the answers to the exercises in So You Really Want To Learn Maths Book 1. - Endorsed by ISEB - Features the complete set of answers to the exercises in So You Really Want To Learn Maths Book 1 to save you time marking

work and enable you to identify areas requiring further attention - Includes diagrams and working where necessary to ensure pupils understand how to present their answers

A History of Folding in Mathematics Simon and Schuster Math rocks! At least it does in the gifted hands of Sean Connolly, who blends middle school math with fantasy to create an exciting adventure in problem-solving. These word problems are perilous, do-or-die scenarios of blood-sucking vampires (How many months would it take a single vampire to completely take over a town of 500,000 people?), or a rowboat of 5 shipwrecked sailors with a single barrel of freshwater (How much can they drink, and for how long, before they go mad from thirst??). Each problem requires readers to dig deep into the tools they're learning in school to figure out how to survive. Kids will love solving these problems. Sean Connolly knows how to make tough subjects exciting and he brings that same intuitive understanding of what inspires and challenges kids' curiosity to the 24 problems in *The Book of Perfectly Perilous Math*. These problems are as fun to read as they are challenging to solve. They test readers on fractions, algebra, geometry, probability, expressions and equations, and more. Use geometry to fill in for the ship's navigator and make it safely to the New World. Escape an evil Duke's executioner by picking the right door—probability will save your neck.

Math Refresher for Adults: The Perfect Solution Mastering Essential Math Skill

Our mission: to make math a fun part of kids' everyday lives. We all know it's wonderful to read bedtime stories to kids, but what about doing math? Many generations of Americans are uncomfortable with math and numbers, and too often we hear the phrase, "I'm just not good at math!" For decades, this attitude has trickled down from parents to their kids, and we now have a culture that finds math dry, intimidating, and just not cool. *Bedtime Math* wants to change all that. Inside this book, families will find fun, mischief-making math problems to tackle—math that isn't just kid-friendly, but actually kid-appealing. With over 100 math riddles on topics from jalapeños and submarines to roller coasters and flamingos, this book bursts with math that looks nothing like school. And with three different levels of challenge (wee ones, little kids, and big kids), there's something for everyone. We can make numbers fun, and change the world, one *Bedtime Math* puzzle at a time.

From Music to Mathematics John Wiley & Sons

Requiring only a basic background in plane geometry and elementary algebra, this classic poses 28 problems that introduce the fundamental ideas that make mathematics truly exciting. "Excellent . . . a thoroughly enjoyable sampler of fascinating mathematical problems and their solutions"—*Science Magazine*. *How Many Socks Make a Pair?* American Mathematical Soc. The perfect math refresher for adults. Short, concise lessons include video tutorials. Reasons you may need this book. You have a math phobia. You have forgotten the math that you learned. You are re-entering the workforce. A new job requires strong math skills. You need to improve math skills to advance your career. And the list goes on.

The Mathematics of Love Galore Park Publishing

Day-to-day life is full of scenarios where your skill with numbers is tested, whether it's dividing up your share of the restaurant bill, or working out whether you've been overcharged at the checkout. So many of us try to avoid these basic sums at all costs, waiting for someone else to step in with the answer, but *Everyday Maths for Grown-Ups* is the perfect solution! Includes chapters on: . How to Check a Till Receipt Quickly . Long Division . Multiplying and Dividing by 10, 100 or 1,000 . Money and Percentages . Converting Metres, Litres and Grams . Angles, Triangles and Trig. This book contains all the shortcuts, fun tricks and new approaches you need to tackle even complex calculations with confidence.

Bedtime Math: A Fun Excuse to Stay Up Late Courier Corporation Designed for an undergraduate course or for independent study, this text presents sophisticated mathematical ideas in an elementary and friendly fashion. The fundamental purpose of this book is to engage the reader and to teach a real understanding of mathematical thinking while conveying the beauty and elegance of mathematics. The text focuses on teaching the understanding of mathematical proofs. The material covered has applications both to mathematics and to other subjects. The book contains a large number of exercises of varying difficulty, designed to help reinforce basic concepts and to motivate and challenge the reader. The sole prerequisite for understanding the text is basic high school algebra; some trigonometry is needed for Chapters 9 and 12. Topics covered include: mathematical induction - modular arithmetic - the fundamental theorem of arithmetic - Fermat's little theorem - RSA encryption - the Euclidean algorithm -rational and irrational numbers - complex numbers - cardinality - Euclidean plane geometry - constructability (including a proof that an angle of 60 degrees cannot be trisected with a straightedge and compass). This textbook is suitable for a wide variety of courses and for a broad range of students in the fields of education, liberal arts, physical sciences and mathematics. Students at the senior high school level who like mathematics will also be able to further their understanding of mathematical thinking by reading this book.

Building Thinking Classrooms in Mathematics, Grades K-12 Macmillan

Most philosophers of mathematics treat it as isolated, timeless, ahistorical, inhuman. Reuben Hersh argues the contrary, that mathematics must be understood as a human activity, a social phenomenon, part of human culture, historically evolved, and intelligible only in a social context. Hersh pulls the screen back to reveal mathematics as seen by professionals, debunking many mathematical myths, and demonstrating how the "humanist" idea of the nature of mathematics more closely resembles how mathematicians actually work. At the heart of his book is a fascinating historical account of the mainstream of philosophy--ranging from Pythagoras, Descartes, and Spinoza, to Bertrand Russell, David Hilbert, and Rudolph Carnap--followed by the mavericks who saw mathematics as a human artifact, including Aristotle, Locke, Hume, Mill, and Lakatos. *What is Mathematics, Really?* reflects an insider's view of mathematical life, and will be hotly debated by anyone with an interest in mathematics or the philosophy of science.