

Mathematics In Daily Life

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Thinking In Numbers - Daniel Tammet
2013-07-30

The irresistibly engaging book that "enlarges one's wonder at Tammet's mind and his all-embracing vision of the world as grounded in numbers" (Oliver Sacks, MD). Thinking in Numbers is the book that Daniel Tammet, mathematical savant and bestselling author, was born to write. In Tammet's world, numbers are beautiful and mathematics illuminates our lives and minds. Using anecdotes, everyday examples, and ruminations on history, literature, and more, Tammet allows us to share his unique insights and delight in the way numbers, fractions, and equations underpin all our lives. Inspired variously by the complexity of snowflakes, Anne Boleyn's eleven fingers, and his many siblings, Tammet explores questions such as why time seems to speed up as we age, whether there is such a thing as an average person, and how we can make sense of those we love. His provocative and inspiring new book will change the way you think about math and fire your imagination to view the world with fresh eyes.

How Not to Be Wrong - Jordan Ellenberg
2015-05-26

"Witty, compelling, and just plain fun to read . . ." –Evelyn Lamb, Scientific American The Freakonomics of math—a math-world superstar unveils the hidden beauty and logic of the world and puts its power in our hands The math we learn in school can seem like a dull set of rules, laid down by the ancients and not to be questioned. In How Not to Be Wrong, Jordan Ellenberg shows us how terribly limiting this view is: Math isn't confined to abstract incidents that never occur in real life, but rather touches everything we do—the whole world is shot through with it. Math allows us to see the hidden structures underneath the messy and chaotic surface of our world. It's a science of not being wrong, hammered out by centuries of hard work and argument. Armed with the tools of mathematics, we can see through to the true meaning of information we take for granted: How early should you get to the airport? What does "public opinion" really represent? Why do tall parents have shorter children? Who really won Florida in 2000? And how likely are you, really, to develop cancer? How Not to Be Wrong presents the surprising revelations behind all of these

questions and many more, using the mathematician's method of analyzing life and exposing the hard-won insights of the academic community to the layman—minus the jargon. Ellenberg chases mathematical threads through a vast range of time and space, from the everyday to the cosmic, encountering, among other things, baseball, Reaganomics, daring lottery schemes, Voltaire, the replicability crisis in psychology, Italian Renaissance painting, artificial languages, the development of non-Euclidean geometry, the coming obesity apocalypse, Antonin Scalia's views on crime and punishment, the psychology of slime molds, what Facebook can and can't figure out about you, and the existence of God. Ellenberg pulls from history as well as from the latest theoretical developments to provide those not trained in math with the knowledge they need. Math, as Ellenberg says, is "an atomic-powered prosthesis that you attach to your common sense, vastly multiplying its reach and strength." With the tools of mathematics in hand, you can understand the world in a deeper, more meaningful way. How Not to Be Wrong will show you how.

Everyday Math for Everyday Life - Mark Ryan 2009-09-26

For everyone who's ever said, "I'm no good with numbers," here's a practical, user-friendly field guide to the math you really need. Your dinner bill came to \$78.35, plus tip, divided amongst you and two friends. So how did you end up paying \$50? In life, there are plenty of instances where a quick calculation would come in handy. Contrary to popular belief, the ability to calculate a tip, eyeball square area, or convert kilometers to miles—without using your fingers or moving your lips—is not inborn. Everyday math skills can be painlessly learned and easily

mastered, transforming you from a person who doesn't know the meaning of APR into someone who understands credit card rates and their long-term impact on your wallet. Broken into sections which review basic arithmetic from fractions to percents, provide situational problems from cooking to gambling, and demystify terms from statistics to relative magnitude to probability, this is the one guide that anyone who took "Math for English majors" can't live without.

The Joy of Mathematics - Alfred S. Posamentier 2017

Arithmetic novelties -- Algebraic explanations of accepted concepts -- Geometric curiosities -- Probability applied to everyday experiences -- Common sense from a mathematical perspective

Mathematics in Everyday Life - John Haigh 2020-01-25

How does mathematics impact everyday events? Through concrete examples from business, sport, games, computing, and society, this book explores the mathematics underpinning our everyday lives. The examples covered in the book include game shows, internet search engines, mortgage payments, drug testing, soccer tournaments, social inequality, voting, and much more. Throughout, the reader's mathematical knowledge is broadened with new topics such as differential equations, eigenvalues of matrices, linear programming, and modular arithmetic. Fully worked examples illustrate the ideas discussed and each chapter includes exercises to develop the reader's understanding. This new edition has been thoroughly updated, and includes a completely new chapter on applications of mathematics to computing. Mathematics in Everyday Life supports beginning university students in science and engineering by offering extra

practice in calculus, linear algebra, geometry, trigonometry, elementary number theory, and probability. Students whose degree course includes writing an extended mathematical essay will find many suitable topics here, with pointers to extend and develop the material.

Cognition in Practice - Jean Lave
1988-07-29

Most previous research on human cognition has focused on problem-solving, and has confined its investigations to the laboratory. As a result, it has been difficult to account for complex mental processes and their place in culture and history. In this startling - indeed, disorienting - study, Jean Lave moves the analysis of one particular form of cognitive activity, - arithmetic problem-solving - out of the laboratory into the domain of everyday life. In so doing, she shows how mathematics in the 'real world', like all thinking, is shaped by the dynamic encounter between the culturally endowed mind and its total context, a subtle interaction that shapes 1) Both the human subject and the world within which it acts. The study is focused on mundane daily activities, such as grocery shopping for 'best buys' in the supermarket, dieting, and so on. Innovative in its method, fascinating in its findings, the research is above all significant in its theoretical contributions. Lave offers a cogent critique of conventional cognitive theory, turning for an alternative to recent social theory, and weaving a compelling synthesis from elements of culture theory, theories of practice, and Marxist discourse. The result is a new way of understanding human thought processes, a vision of cognition as the dialectic between persons-acting, and the settings in which their activity is constituted. The book will appeal to

anthropologists, for its novel theory of the relation of cognition to culture and context; to cognitive scientists and educational theorists; and to the 'plain folks' who form its subject, and who will recognize themselves in it, a rare accomplishment in the modern social sciences.

Applying Algebra to Everyday Life - Erik Richardson
2016-07-15

Much more than finding x , algebra forms the basis to describe any process that has variation. Everyday numbers like money and time are common variables. In this book, key concepts from algebra, such as lines, polynomials and the quadratic formula, are shown at work in surprising applications including industrial baking, robotics, and the natural world.

Mathematics in Daily Life - Eugene Henry Barker
1939

Real-Life Math - Evan Glazer
2002
Mathematics educators Glazer (U. of Georgia) and McConnell (North Park U.) describe practical uses of some common mathematical concepts and techniques. The arrangement is by concept, so the reference would probably be most useful to high school teachers and librarians, rather than students seeking techniques for particular problems. The techniques themselves are not explained.

Principles of Mathematics Book 1 (Student) - Katherine A. Loop
2015-04-30

Discover how math applies to science, art, music, daily life, and more. Apply what you're learning outside a textbook, and see God's handiwork in math. Focus is on multiplication, division, fractions, decimals, ratios, percentages, shapes, basic geometry, and more! Math is a real-life tool that points us to God and helps us explore His creation, yet it

often comes across as dry facts and meaningless rules. Here at last is a curriculum that has a biblical worldview integrated throughout the text and problems, not just added as an afterthought. Students don't just learn how to manipulate numbers on paper, but starting with arithmetic and laying the groundwork for geometry and algebra (covered in year 2), this curriculum both firms up the foundational concepts and prepares students for upper-level math in a logical, step-by-step way that helps students understand concepts, build problem-solving skills, and see how different aspects of math connect.

Love and Math - Edward Frenkel
2013-10-01

An awesome, globe-spanning, and New York Times bestselling journey through the beauty and power of mathematics. What if you had to take an art class in which you were only taught how to paint a fence? What if you were never shown the paintings of van Gogh and Picasso, weren't even told they existed? Alas, this is how math is taught, and so for most of us it becomes the intellectual equivalent of watching paint dry. In *Love and Math*, renowned mathematician Edward Frenkel reveals a side of math we've never seen, suffused with all the beauty and elegance of a work of art. In this heartfelt and passionate book, Frenkel shows that mathematics, far from occupying a specialist niche, goes to the heart of all matter, uniting us across cultures, time, and space. *Love and Math* tells two intertwined stories: of the wonders of mathematics and of one young man's journey learning and living it. Having braved a discriminatory educational system to become one of the twenty-first century's leading mathematicians, Frenkel now works on one of the biggest ideas to come out of math in the last 50 years: the Langlands

Program. Considered by many to be a Grand Unified Theory of mathematics, the Langlands Program enables researchers to translate findings from one field to another so that they can solve problems, such as Fermat's last theorem, that had seemed intractable before. At its core, *Love and Math* is a story about accessing a new way of thinking, which can enrich our lives and empower us to better understand the world and our place in it. It is an invitation to discover the magic hidden universe of mathematics.

The Circle - Alfred S. Posamentier
2016-08-23

The circle has fascinated mathematicians since ancient times. This entertaining book describes in layperson's terms the many intriguing properties of this fundamental shape. If math has intimidated you, this may be the ideal book to help you appreciate the discipline through one of its most important elements. The authors begin with a brief review of the basic properties of the circle and related figures. They then show the many ways in which the circle manifests itself in the field of geometry—leading to some amazing relationships and truly important geometric theorems. In addition, they explore remarkable circle constructions and demonstrate how all constructions in geometry that usually require an unmarked straightedge and a compass can also be done with the compass alone. Among other things, the reader will learn that circles can generate some unusual curves – many even quite artistic. Finally, the role of circles in art and architecture and a discussion of the circle's place on the sphere bring "full circle" this presentation of a key element of geometry.

Principles of Mathematics Book 1 Set
- Katherine Loop 2016-09-02

Katherine Loop has done the remarkable! She has written a solid math course with a truly Biblical worldview. This course goes way beyond the same old Christian math course that teaches math with a few Scriptures sprinkled in and maybe some church-based word problems. This course truly transforms the way we see math. Katherine makes the argument that math is not a neutral subject as most have come to believe. She carefully lays the foundation of how math points to our Creator, the God of the Bible. The nature of God, His Creation, and even the Gospel itself is seen through the study of math. Katherine does a marvelous job of revealing His Glory in this one-of-a-kind math course. Katherine Loop's Principles of Mathematics Biblical Worldview Curriculum is a first of its kind. It takes math to a whole new level students and parents are going to love. It is a guaranteed faith grower!

Go Figure! - Nigel J. Hopkins 1992
Arithmetic and math for everyday usage.

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Science Education for Everyday Life - Glen S. Aikenhead 2006

This book provides a comprehensive overview of humanistic approaches to science. Approaches that connect students to broader human concerns in their everyday life and culture. Glen Aikenhead, an expert in the field of culturally sensitive science education, summarizes major worldwide historical findings; focuses on present thinking; and offers evidence in support of classroom practice. This highly accessible text covers curriculum policy, teaching materials, teacher orientations, teacher education, student learning, culture studies, and future research.

Math For Real Life For Dummies - Barry Schoenborn 2013-02-06

The easy way to brush up on the math skills you need in real life. Not everyone retains the math they learned in school. Like any skill, your ability to speak "math" can deteriorate if left unused. From adding and subtracting money in a bank account to figuring out the number of shingles to put on a roof, math in all of its forms factors into daily life. *Math For Real Life For Dummies* provides you with the simple formulas and theorems that you're likely to encounter in the workplace, the kitchen, and even when playing games. You can turn to *Math For Real Life For Dummies* to brush up on your math skills or to handle everyday encounters, like calculating restaurant tips, understanding interest rates, and figuring out percentages and odds. Packed with real-world examples that make sense, *Math For Real Life For Dummies* takes the stress out of your daily calculation encounters. Provides tips for understanding and using basic mathematical concepts. Shows you how math helps the mind to reason and organize complicated situations or problems into clear, simple, and logical steps. Covers all of the math skills you're likely to need in everyday situations. If you're looking for a practical, plain-English guide to mastering everyday math skills, *Math For Real Life For Dummies* has you covered.

Mathematics in Everyday Life - John Haigh 2016-01-22

How does mathematics impact everyday events? The purpose of this book is to show a range of examples where mathematics can be seen at work in everyday life. From money (APR, mortgage repayments, personal finance), simple first and second order ODEs, sport and games (tennis, rugby, athletics, darts, tournament design, soccer, snooker), business (stock control, linear programming,

check digits, promotion policies, investment), the social sciences (voting methods, Simpson's Paradox, drug testing, measurements of inequality) to TV game shows and even gambling (lotteries, roulette, poker, horse racing), the mathematics behind commonplace events is explored. Fully worked examples illustrate the ideas discussed and each chapter ends with a collection of exercises. Everyday Mathematics supports other first year modules by giving students extra practice in working with calculus, linear algebra, geometry, trigonometry and probability.

Secondary/high school level mathematics is all that is required for students to understand the material. Those students whose degree course includes writing an extended mathematical essay will find many suitable topics here, with pointers to extend and develop the material.

The Number Mysteries - Marcus du Sautoy 2011-05-24

Every time we download music, take a flight across the Atlantic or talk on our cell phones, we are relying on great mathematical inventions. In *The Number Mysteries*, one of our generation's foremost mathematicians Marcus du Sautoy offers a playful and accessible examination of numbers and how, despite efforts of the greatest minds, the most fundamental puzzles of nature remain unsolved. Du Sautoy tells about the quest to predict the future—from the flight of asteroids to an impending storm, from bending a ball like Beckham to forecasting population growth. He brings to life the beauty behind five mathematical puzzles that have contributed to our understanding of the world around us and have helped develop the technology to cope with it. With loads of games to play and puzzles to solve, this is a math book for everyone.

Math in Everyday Life - David E.

Newton 2001

With Math in Everyday Life, students apply basic math skills to all aspects of everyday life. Students use realistic and accurate forms, worksheets, and other paperwork to help build an understanding of an comfort level with the forms and related math applications that are part of daily living.

The Calculus of Happiness - Oscar Fernandez 2019-07-09

How math holds the keys to improving one's health, wealth, and love life? What's the best diet for overall health and weight management? How can we change our finances to retire earlier? How can we maximize our chances of finding our soul mate? In *The Calculus of Happiness*, Oscar Fernandez shows us that math yields powerful insights into health, wealth, and love. Using only high-school-level math (precalculus with a dash of calculus), Fernandez guides us through several of the surprising results, including an easy rule of thumb for choosing foods that lower our risk for developing diabetes (and that help us lose weight too), simple "all-weather" investment portfolios with great returns, and math-backed strategies for achieving financial independence and searching for our soul mate. Moreover, the important formulas are linked to a dozen free online interactive calculators on the book's website, allowing one to personalize the equations. Fernandez uses everyday experiences--such as visiting a coffee shop--to provide context for his mathematical insights, making the math discussed more accessible, real-world, and relevant to our daily lives. Every chapter ends with a summary of essential lessons and takeaways, and for advanced math fans, Fernandez includes the mathematical derivations in the appendices. A nutrition, personal finance, and relationship

how-to guide all in one, *The Calculus of Happiness* invites you to discover how empowering mathematics can be.

The Hidden Mathematics of Sport - Rob Eastaway 2021-06-10

This fascinating book explores the mathematics involved in all your favourite sports. *The Hidden Mathematics of Sport* takes a unique and fascinating look at sport by exploring the mathematics behind the action. You'll discover the best tactics for taking a penalty, the pros and cons of being a consistent golfer, the surprising connection between American football and cricket, the quirky history of league tables, the unusual location of England's earliest 'football' matches and how to avoid marathon tennis matches. Whatever your sporting interests, from boxing to figure skating, from rugby to horse racing, you will find plenty to absorb and amuse you in this insightful book.

Word count: 35,000 words

Everyday Calculus - Oscar Fernandez 2017-03-07

A fun look at calculus in our everyday lives *Calculus*. For some of us, the word conjures up memories of ten-pound textbooks and visions of tedious abstract equations. And yet, in reality, calculus is fun and accessible, and surrounds us everywhere we go. In *Everyday Calculus*, Oscar Fernandez demonstrates that calculus can be used to explore practically any aspect of our lives, including the most effective number of hours to sleep and the fastest route to get to work. He also shows that calculus can be both useful—determining which seat at the theater leads to the best viewing experience, for instance—and fascinating—exploring topics such as time travel and the age of the universe. Throughout, Fernandez presents straightforward concepts, and no prior mathematical knowledge

is required. For advanced math fans, the mathematical derivations are included in the appendixes. The book features a new preface that alerts readers to new interactive online content, including demonstrations linked to specific figures in the book as well as an online supplement. Whether you're new to mathematics or already a curious math enthusiast, *Everyday Calculus* will convince even die-hard skeptics to view this area of math in a whole new way.

Math for Life: Crucial Ideas You Didn't Learn in School -

Mathematics for Daily Living:

Workbook - Harry Lewis 1980

An introduction to mathematics and its applications to daily life.

The Math of Life and Death - Kit Yates 2021-04-27

"Few of us really appreciate the full power of math--the extent to which its influence is not only in every office and every home, but also in every courtroom and hospital ward. In this ... book, Kit Yates explores the true stories of life-changing events in which the application--or misapplication--of mathematics has played a critical role: patients crippled by faulty genes and entrepreneurs bankrupted by faulty algorithms; innocent victims of miscarriages of justice; and the unwitting victims of software glitches"--Publisher marketing.

Mathematics for Daily Living - Harry Lewis 1986

An introduction to mathematics and its applications to daily life.

Our Days Are Numbered - Jason Brown 2010-04-27

A revealing and entertaining look at the world, as viewed through mathematical eyeglasses. From the moment our feet touch the floor in the morning until our head hits the pillow, numbers are everywhere. And yet most of us go through each day

unaware of the mathematics that shapes our lives. In fact, many people go through life fearing and avoiding mathematics, making choices that keep it at arm's length or further. Even basic math – like arithmetic – can seem baffling. In *Our Days Are Numbered*, Jason Brown leads the reader through a typical day, on a fascinating journey. He shows us the world through a mathematician's eyes and reveals the huge role that mathematics plays in our lives. It lies hidden within the electronics we use, the banking we do, and even the leisure activities we enjoy. Whether we're putting a down payment on a new car, reading the financial pages, or listening to our favourite songs, math is behind it all. At once entertaining and informative, *Our Days Are Numbered* covers an array of mathematic concepts and explores the hidden links between mathematics and everyday life. Brown reveals that a basic understanding of math can make us more creative in the way we approach the world.

Strength In Numbers - Sherman K. Stein 1996-09-06

Joy and power in math? Of course! As well as practicality, versatility, simplicity . . . and fun. *Strength in Numbers* offers a highly entertaining exploration of the math we use in our daily lives—from calculating mortgage payments, to choosing credit card rates, to deciphering statistics. As award-winning teacher and author Sherman Stein reveals, math is much more than "a collection of procedures to calculate numbers." It is an essential tool with which to understand the world around us. And while the relevance of math to everyday life is emphasized, the author's lively survey of such intriguing concepts as "hot" and "cool" numbers, as well as brainteasers like the puzzle of the

Egyptian rope, make *Strength in Numbers* rich reading. Along the way, Stein exposes many myths—from the idea that there is nothing new in math to the notion that there may be a gene for mathematical talent. He praises the beauty of such mathematical wonders as the Golden Triangle, and reveals the fascinating ways in which math is used to solve problems in science, such as biologists' use of the slope of a curve to calculate species growth. With his engaging style, Stein offers a new appreciation for the amazing properties of mathematics, from the beauty of its logic ("as inevitable and memorable as a Mozart symphony") to its power and pervasiveness in our lives. Requiring no math knowledge beyond basic arithmetic and high school geometry, *Strength in Numbers* is an enlightening introduction to all the math we need. What is the spell of cool numbers? Was the golden ratio used to build the Great Pyramid of Khufu? What do two goats and a car have to do with making good decisions? In *Strength in Numbers*, award-winning teacher and author Sherman K. Stein offers an entertaining exploration of the surprising ways in which the language of mathematics can enhance our understanding of the world around us. "After finishing this book, you should have a clearer idea of the importance of mathematics in the 'real' world and the ability to read the language of mathematics. I hope, in addition, you will have gained an appreciation of the beauty of mathematics and the elegance of its reasoning."—from Chapter 1

Math Curse - Jon Scieszka 1995-10-01
Did you ever wake up to one of those days where everything is a problem? You have 10 things to do, but only 30 minutes until your bus leaves. Is there enough time? You have 3 shirts and 2 pairs of pants. Can you make 1

good outfit? Then you start to wonder: Why does everything have to be such a problem? Why do 2 apples always have to be added to 5 oranges? Why do 4 kids always have to divide 12 marbles? Why can't you just keep 10 cookies without someone taking 3 away? Why? Because you're the victim of a Math Curse. That's why. But don't despair. This is one girl's story of how that curse can be broken.

Pluses and Minuses - Stefan Buijsman
2020-08-25

A guide to changing how you think about numbers and mathematics, from the prodigy changing the way the world thinks about math. We all know math is important: we live in the age of big data, our lives are increasingly governed by algorithms, and we're constantly faced with a barrage of statistics about everything from politics to our health. But what might be less obvious is how math factors into your daily life, and what memorizing all of those formulae in school had to do with it. Math prodigy Stefan Buijsman is beginning to change that through his pioneering research into the way we learn math. *Pluses and Minuses* is based in the countless ways that math is engrained in our daily lives, and shows readers how math can actually be used to make problems easier to solve. Taking readers on a journey around the world to visit societies that have developed without the use of math, and back into history to learn how and why various disciplines of mathematics were invented, Buijsman shows the vital importance of math, and how a better understanding of mathematics will give us a better understanding of the world as a whole. Stefan Buijsman has become one of the most sought-after experts in math education after he completed his PhD at age 20. In *Pluses and Minuses*, he puts his

research into practice to help anyone gain a better grasp of mathematics than they have ever had.

How Long Is a Piece of String? - Rob Eastaway
2014-04-02

Why do weather forecasters get it wrong? What are the best tactics for playing "Who Wants to be a Millionaire?" and "The Weakest Link"? And what is the link between a tin of baked beans and a men's urinal? These and many other questions are answered in this book. It is 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 ranking sportsmen all have links with intriguing mathematical problems that are explained in this book. It reveals the secrets behind some of the best con tricks and the hidden workings of the taxi meter, and explains how epidemics start and stop.

Measurement - Paul Lockhart
2012-09-25

Lockhart's Mathematician's Lament outlined how we introduce math to students in the wrong way. *Measurement* explains how math should be done. With plain English and pictures, he makes complex ideas about shape and motion intuitive and graspable, and offers a solution to math phobia by introducing us to math as an artful way of thinking and living.

How Not to Be Wrong - Jordan Ellenberg
2014-05-29

The columnist for Slate's popular "Do the Math" celebrates the logical, illuminating nature of math in today's world, sharing in accessible language mathematical approaches that demystify complex and everyday problems.

Mathematical Applications and Modelling - Berinderjeet Kaur
2010
Mathematical Applications and

Modelling is the second in the series of the yearbooks of the Association of Mathematics Educators in Singapore. The book is unique as it addresses a focused theme on mathematics education. The objective is to illustrate the diversity within the theme and present research that translates into classroom pedagogies. The book, comprising of 17 chapters, illuminates how application and modelling tasks may help develop the capacity of students to use mathematics in their present and future lives. Several renowned international researchers in the field of mathematical modelling have published their work in the book. The chapters are comprehensive and laden with evidence-based examples for both mathematics educators and classroom teachers. The book is an invaluable contribution towards the emerging field of research in mathematical applications and modelling. It is a must-read for graduate research students and mathematics educators.

How Long Is a Piece of String? - Rob Eastaway 2008-09

This sequel to 'Why Do Buses Come in Threes?' shows how maths is relevant to almost every aspect of our daily lives. Dating, cooking, travelling by car, and gambling all have links with mathematical problems that you will find explained in this book.

Originally published: 2002.

What is Mathematics? - Herbert Robbins Richard Courant (Ian Stewart) 1996

A discussion of fundamental mathematical principles from algebra to elementary calculus designed to promote constructive mathematical reasoning.

What's the Use? - Ian Stewart 2021-08-19

'Stewart is Britain's most brilliant and prolific populariser of maths' Alex Bellos 'The instructive equivalent of a Michelin-starred

tasting menu' Tim Radford Many people think mathematics is useless. They're wrong. In the UK, the 2.8 million people employed in mathematical science occupations contributed £208 billion to the economy in a single year - that's 10 per cent of the workforce contributing 16 per cent of the economy. What's the Use? asks why there is such a vast gulf between public perceptions of mathematics and reality. It shows how mathematics is vital, often in surprising ways, behind the scenes of daily life. How politicians pick their voters. How an absurd little puzzle solved 300 years ago leads to efficient methods for kidney transplants. And how a bizarre, infinitely wiggly curve helps to optimise deliveries to your door.

Why Do Buses Come in Threes? - Rob Eastaway 2014-04-03

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.

That's Maths - Peter Lynch 2016-10-14 From atom bombs to rebounding

slinkies, open your eyes to the mathematical magic in the everyday. Mathematics isn't just for academics and scientists, a fact meteorologist and blogger Peter Lynch has spent the past several years proving through his Irish Times newspaper column and blog, That's Maths. Here, he shows how maths is all around us, with chapters

on the beautiful equations behind designing a good concert venue, predicting the stock market and modelling the atom bomb, as well as playful meditations on everything from coin-stacking to cartography. If you left school thinking maths was boring, think again!