

## The Number Devil: A Mathematical Adventure

*A collection of stories about famous mathematicians and their very human background in the history of mathematics, including the paranoia of Godel and how Newton's apple never was*

*Join Sir Cumference and the gang for more wordplay, puns, and problem solving in the clever math adventure that introduces readers to the concept of fractions. Sir Cumference and Lady Di discover "Fracton numbers" while purchasing cloth and cheese at the Fracton Faire. While two-fourths may seem like the same as one-half, in truth it denotes two parts of one-half, or two quarters of the whole. But the real mystery is the fact that items at the fair keep disappearing, and Sir C, Lady Di, and the Earl of Fracton must set a numeric trap for the thief, teaching an important lesson along the way about the comparative size of fractions. Puns--both literal and visual--abound in this fun adventure story with beloved characters and a solid pedagogical foundation. A fun little math adventure that introduces the basics of fractions to early elementary audiences. — School Library Journal*

*A creative and fun approach to math (and problem solving) for children who love hands-on learning*

*"A colorful best-seller"—Paulo Coelho, author of The Alchemist Malba Tahan is the creation of a celebrated Brazilian mathematician looking for a way to bring some of the mysteries and pleasures of mathematics to a wider public. The adventures of Beremiz Samir, The Man Who Counted, take the reader on a journey in which, time and again, Samir summons his extraordinary mathematical powers to settle disputes, give wise advice, overcome dangerous enemies, and win for himself fame, fortune, and rich rewards. We learn of previous mathematicians and come to admire Samir's wisdom and patience. In the grace of Tahan's telling, these stories hold unusual delights for the reader.*

*In the Town All Year 'Round*

*Mathematical Excursions to the World's Great Buildings*

*Marvels of Math*

*Number Tricks*

*Math Trek*

*Blockhead*

Offers an illustrated telling of the story of Ada Byron Lovelace, from her early creative fascination with mathematics and science and her devastating bout with measles, to the ground-breaking algorithm she wrote for Charles Babbage's analytical engine.

divides into time zones? What happens to the Mars Climate Orbiter to burn up in the Martian atmosphere? What common unit of measurement was originally based on the distance from the equator to the North Pole? Does water always boil at 212° Fahrenheit? What do Da Vinci's Last Supper and the Parthenon have in common? Why is a computer glitch called a "bug"? It's amazing how ten simple digits can be used in an endless number of ways to benefit man. The development of these ten digits and their many uses is the fascinating story of the numbers 0-9. In the American Mathematical Society's first-ever book for kids (and kids at heart), mathematician and author Richard Evan Schwartz leads math lovers of all ages on an innovative and strikingly illustrated journey through the infinite number system. By means of engaging, imaginative visuals and endearing narration, Schwartz manages the monumental task of presenting the complex concept of Big Numbers in fresh and relatable ways. The book begins with small, easily observable numbers before building up to truly gigantic ones, like a nonillion, a tredecillion, a

Readers will find themselves returning to its pages for a very long time, perpetually learning from and growing with the narrative as their knowledge deepens. Really Big Numbers is a wonderful enrichment for any math education program and is enthusiastically recommended to every teacher, parent and grandparent, student, child, or other individual interested in exploring the vast universe of numbers.

Mr. Ruche, a Parisian bookseller, receives a bequest from a long lost friend in the Amazon of a vast library of math books, which propels him into a great exploration of the story of mathematics. Meanwhile Max, whose family lives with Mr. Ruche, takes in a voluble parrot who will discuss math with anyone. When Mr. Ruche learns of his friend's mysterious death in a Brazilian rainforest, he decides that with the parrot's help he will use these books to teach Max and his brother and sister the mysteries of Euclid's Elements, Pythagoras's Theorem and the count

other than enlightenment, and before he knows it the household is racing to prevent the parrot and vital, new theorems from falling into the wrong hands. An immediate bestseller when first published in France, The Parrot's Theorem charmingly combines a straightforward history of mathematics and a first-rate murder mystery.

Really Big Numbers

Math and Magic in Camelot

The Phantom Tollbooth

The Number Devil

From L. A. to Bosnia

(Illustrated Classics for Kids, Illustrated Kids Books, Early Readers Book)

Most people think of mathematicians as solitary, working away in isolation. And, it's true, many of them do. But Paul Erdos never followed the usual path. At the age of four, he could ask you when you were born and then calculate the number of seconds you had been alive in his head. But he didn't learn to butter his own bread until he turned twenty. Instead, he traveled around the world, from one mathematician to the next, collaborating on an astonishing number of publications. With a simple, lyrical text and richly layered illustrations, this is a beautiful introduction to the world of math and a fascinating look at the

creator trails that made "Uncle Paul" a great man. The Boy Who Loved Math by Deborah Heiligman is a Kirkus Reviews Best Book of 2013 and a New York Times Book Review Notable Children's Book of 2013.

A biography of Leonardo Fibonacci, the 12th century mathematician who discovered the numerical sequence named for him.

The international best-seller that makes mathematics a thrilling exploration. In twelve dreams, Robert, a boy who hates math, meets a Number Devil, who leads him to discover the amazing world of numbers: infinite numbers, prime numbers, Fibonacci numbers, numbers that magically appear in triangles, and numbers that expand without. As we dream with him, we are taken further and further into mathematical theory, where ideas eventually take flight, until everyone - from those who fumble over fractions to those who solve complex equations in their heads - winds up marveling at what numbers can do. Hans Magnus Enzensberger is a true polymath, the kind of superb intellectual who loves thinking and marshals all of his charm and wit to share his passions with the world. In The Number Devil, he brings together the surreal logic of Alice in Wonderland and the existential geometry of Flatland with the kind of math everyone would love, if only they had a number devil to teach it to them.

Looks at the history of mathematical discoveries and the lives of great mathematicians.

Patterns of the Universe

Math and Magic in Wonderland

The Parrot's Theorem

The Improbable Life of Paul Erdos

Where Were You, Robert?

359 Mathematical Recreations

Witty and engaging essays from the writer hailed as the equal of George Orwell and Edmund Wilson. Hailed by the Los Angeles Times as "that most rambunctious of all critics--an iconoclast," Hans Magnus Enzensberger is the leading German social critic of his generation. For more than forty years, Enzensberger's engaging and witty essays have won acclaim worldwide. "Zig Zag" presents Enzensberger's most recent work along with his most important essays. Covering a wide range of contemporary politics and culture, the book includes Enzensberger's provocative essays on such topics as the parallels between Adolf Hitler and Saddam Hussein and the recurrence of fascism in Western Europe. "Zig Zag" also features Enzensberger's classic pieces on contemporary culture, a fascinating recent study of the transformation of luxury, and an amusing "obituary for fashion," in which Enzensberger laments Western style's decline into a kind of studied casualness. "Zig Zag" shows us why Enzensberger has become the master of cultural criticism, with work that never fails to surprise and to provoke.

If you could hike to the moon, how long would it take? Just how many glasses of lemonade would you need to fill an Olympic-size swimming pool? If everyone on Earth owned exactly the same amount of land, how big would your yard be? And how much time would you spend mowing the lawn? Learn the math behind these questions in this hilarious romp through weight, volume, distance, and more. These 12 zany scenarios add up to a book full of fun!

An illustrated tour of the structures and patterns we call "math" The only numbers in this book are the page numbers. Math Without Numbers is a vivid, conversational, and wholly original guide to the three main branches of abstract math—topology, analysis, and algebra—which turn out to be surprisingly easy to grasp. This book upends the conventional approach to math, inviting you to think creatively about shape and dimension, the infinite and infinitesimal, symmetries, proofs, and how these concepts all fit together. What awaits readers is a freewheeling tour of the inimitable joys and unsolved mysteries of this curiously powerful subject. Like the classic math allegory Flatland, first published over a century ago, or Douglas Hofstadter's Godel, Escher, Bach forty years ago, there has never been a math book quite like Math Without Numbers. So many popularizations of math have dwelt on numbers like pi or zero or infinity. This book goes well beyond to questions such as: How many shapes are there? Is anything bigger than infinity? And is math even true? Milo Beckman shows why math is mostly just pattern recognition and how it keeps on surprising us with unexpected, useful connections to the real world. The ambitions of this book take a special kind of author. An inventive, original thinker pursuing his calling with jubilant passion. A prodigy. Milo Beckman completed the graduate-level course sequence in mathematics at age sixteen, when he was a sophomore at Harvard; while writing this book, he

was studying the philosophical foundations of physics at Columbia under Brian Greene, among others.

Join Sir Cumference, Lady Di of Ameter, and their son Radius with the help of the carpenter, Geo of Metry, this sharp-minded team designs the perfect table conducive to discussing the perfect plan for peace. The first in Sir Cumference series, Sir Cumference and the First Round Table makes math fun and accessible for everyone.

Fascinating Reads and Awesome Activities

The Moscow Puzzles

The Further Adventures of Penrose, the Mathematical Cat

A Coloring Adventure in Math and Beauty

Flat Stanley and the Haunted House

Uc2514The Number Devil: A Mathematical Adventure

**The Number Devil| Mathematical Adventure|Macmillan**

"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.

Winner of multiple awards for educational fiction as well as quality fantasy, this charming story brings us the adventures of Julie in the Land of Mathematics. Julie is a young teen who struggles with her homework, especially math, until a mysterious Imaginary Number leads her into Mathematics. There she meets Al the gebra (who is like a zebra), and horses who represent elements on the Periodic chart. She sets off on a quest to find her way home, and in the process, learns the foundations of algebra and chemistry. Join Julie in her journey through Mathematics, where the Orders of Operations are actual places and chemistrees are real plants with atomic fruit. Will Julie ever get home? Written when the author was age fourteen, this work of fiction has been used in various school systems throughout the U.S to help supplement cross-curriculum Learning. It can also be enjoyed as light fantasy reading.

Sixteen stories introduce various mathematical concepts and historic advances made in the field of mathematics such as the first female professor of mathematics, and the story of al-Khwarizmi's invention of the number zero

How the Mind Creates Mathematics, Revised and Updated Edition

Mathematicians are People, Too

Mathemagic!

Sir Cumference and the Dragon of Pi

The Boy Who Loved Math

Mind-Boggling Numbers

*There s a new amusement park in town. Come on in and find out allthe exciting ways you can have fun with math in everyday life.Wander through the fractal forest, take a ride on the M?obius–striproller coaster, and get dizzy learning about how math makes theTilt–A–Whirl possible. The more activities you try, the more you llearn how cool it can be to see the world through the eyes of amathematician. Once you ve sampled some of the interesting and unique projects inMath Trek, from untangling unknots to winning games with weird diceto figuring out secret codes, you ll see that every trip to theMathZone is an exciting adventure!*

*Fifteen-year-old Robert is a dreamer: one evening his eyes blur over and he literally disappears. Robert has become a time traveller, but with little control over his ability he seems doomed to wander forever – until he appears in 17th-century Amsterdam and finds a slim chance of returning home.*

*Discover how maths can be artistic and art can be mathematical with this awesome activity book, full of fun drawing challenges with a mathematical basis. Amazing patterns with a mathematical essence will be revealed as you follow the simple activity instructions. Learn incredible maths facts as you draw the beautiful designs. From simple geometric patterns to fascinating fractal art, to awesome anamorphic art, and cool celtic knots, discover the beauty in maths, and the maths in beauty. Left–brain and right–brain come together to create fantastic maths art!*

*A fascinating fantasy for adults and children alike explores the world of mathematics as it recounts how math-hater Robert has twelve dreams in which a Number Devil demonstrates the delights of such mathematical concepts as prime and Fibonacci numbers, delving ever deeper into mathematical theory. Reprint.*

Math Fables

Thinking in Numbers

A Gebra Named Al

Mathematical Scandals

Sir Cumference and the Fracton Faire

This Book Thinks You're a Math Genius

A journey through a land where Milo learns the importance of words and numbers provides a cure for his boredom.

When the teacher tells her class that they can think of almost everything as a math problem, one student acquires a math anxiety which becomes a real curse.

Pictures depict busy people in a town throughout the year.

From 1 to 10, these "lessons that count" are math magic for learning addition and subtraction. Greg Tang has built his career as an author and math missionary on the power of creative problem solving. Now, through winsome "fables" about concepts that are relevant to the very youngest math learners -- sharing, teamwork, etc. -- Greg encourages kids to see the basics of addition and subtraction in entirely new ways. Fresh, fun, and most of all, inspiring, MATH FABLES is perfect for launching young readers on the road to math success!

Math Without Numbers

Adventures in the Math Zone

Sir Cumference and the First Round Table

Math Curse

This Is Not a Maths Book

From Ancient Record Keeping to the Latest Advances in Computers

*This is, quite simply, the best and most popular puzzle book ever published in the Soviet Union. Since its first appearance in 1956 there have been eight editions as well as translations from the original Russian into Ukrainian, Estonian, Lettish, and Lithuanian. Almost a million copies of the Russian version alone have been sold. Part of the reason for the book's success is its marvelously varied assortment of brainteasers ranging from simple "catch" riddles to difficult problems (none, however, requiring advanced mathematics). Many of the puzzles will be new to Western readers, while some familiar problems have been clothed in new forms. Often the puzzles are presented in the form of charming stories that provide non-Russian readers with valuable insights into contemporary Russian life and customs. In addition, Martin Gardner, former editor of the Mathematical Games Department, Scientific American, has clarified and simplified the book to make it as easy as possible for an English-reading public to understand and enjoy. He has been careful, moreover, to retain nearly all the freshness, warmth, and humor of the original. Lavishly illustrated with over 400 clear diagrams and amusing sketches, this inexpensive edition of the first English translation will offer weeks or even months of stimulating entertainment. It belongs in the library of every puzzlist or lover of recreational mathematics.*

*For fans of the Sir Cumference series with Pi on their mind, here is the second installment in this fun look at math and language. This time the math adventure is centered around a potion that changes Sir Cumference into a fire-breathing dragon. Can Radius change him back? Join Radius on his quest through the castle to solve a riddle that will reveal the cure. It lies in discovering the magic number that is the same for all circles. Perfect for parent and teachers who are looking to make math fun and accessible for everyone.*

*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.*

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

*On Life, Love, Meaning, and Math*

*Ada Byron Lovelace and the Thinking Machine*