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**KEY=MATHEMATICS - ANIYAH MATTEO**

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### Mathematics, Magic and Mystery

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

### Molly and the Mathematical Mysteries

### Ten Interactive Adventures in Mathematical Wonderland

*Big Picture Press Find the clues and lift the flaps on this mathematical mystery! Join Molly as she ventures into a curious world where nothing is quite as it seems. A trail of clues leads from scene to scene, presenting Molly with a number of challenges. But who is leaving the clues, and where will they lead? This interactive mystery shows math isn't just about numbers--it's about imagination! An explorative and creative approach to the world of mathematics.*

### Beyond Coincidence

### Stories of Amazing Coincidences and the Mystery and Mathematics that Lie Behind Them

*This is a collection of over 200 stories of amazing coincidence and an exploration of the mystery and mathematics of synchronicity.*

### Mathematical Mysteries

### The Beauty and Magic of Numbers

*Springer Explores the mysticism and elegance of mathematics and ponders the paradoxical question "if numbers are purely objects of human thought, then why do they correspond so strikingly to the physical universe?"*

### The Mystery of Numbers: Revealed Through Their Digital Root

*Talal Ghannam What is it that brings all these different things together? The subatomic particles and the Vedic square. The hydrogen atom and the golden section. Fibonacci numbers, consciousness, and alchemy. Nikola Tesla, music, and the ether. Electromagnetism, gravity, and the fourth dimension. The procession of the equinox, the Mayan dooms day, the Hindu Brahma cycle, and Atlantis. It is Numbers, or more precisely; their Digital Root. In this book the author examines the amazing world of numbers, particularly those which have intrigued and fascinated ancient and modern mathematicians alike. However, he does it from a very novel point of view; by implementing the digital root operation, in which the individual digits of any of these numbers are summed up until a single digit is left over. The author will show that when applying this simple operation to magical numbers, and to many other groups of numbers, an amazing world of hidden interconnections; repetition cycles; numerical symmetries; and geometrical patterns emerge. Especially when the geometrical (the circle) and the numerical aspects of the digital root world are combined together. It is in this circular/numerical world where numbers, individually and collectively, exist in their most basic, yet perfect and symmetrical states, and where the basic nine numbers are differentiated into three groups of amazing properties, which will be shown to underlie the essence of the whole universe; from the atom and its forces to the solar system and its geometry. This book will take us on a numerical and spiritual journey: starting from prime and figurate numbers; to Fibonacci sequence and the golden section; to alchemy and the Mayan calendar; to the atoms and its forces, along with the ether and the fourth dimension. In addition, the author will show how these new revelations of the digital root world are corroborating the numerological and mystical qualities that have been attributed to numbers by philosophers and mystics throughout the ages. This book will paint a so holistic and meaningful image of the world that will forever change our perception, not only towards numbers, but towards the whole universe as well.*

### Mystery Math

### A First Book of Algebra

*Holiday House Boo! There is a mystery behind every door of the creepy haunted house. Luckily, algebra will help you solve each problem. By using simple addition, subtraction, mulitplication, and division, you'll discover that solving math mysteries isn't scary at all -- it's fun!*

## The Mystery of the Aleph

### Mathematics, the Kabbalah, and the Search for Infinity

*Simon and Schuster A compelling narrative that blends the story of infinity with the tragic tale of a tormented and brilliant mathematician.*

### Math on Trial

### How Numbers Get Used and Abused in the Courtroom

*Hachette UK In the wrong hands, math can be deadly. Even the simplest numbers can become powerful forces when manipulated by politicians or the media, but in the case of the law, your liberty -- and your life -- can depend on the right calculation. In Math on Trial, mathematicians Leila Schneps and Coralie Colmez describe ten trials spanning from the nineteenth century to today, in which mathematical arguments were used -- and disastrously misused -- as evidence. They tell the stories of Sally Clark, who was accused of murdering her children by a doctor with a faulty sense of calculation; of nineteenth-century tycoon Hetty Green, whose dispute over her aunt's will became a signal case in the forensic use of mathematics; and of the case of Amanda Knox, in which a judge's misunderstanding of probability led him to discount critical evidence -- which might have kept her in jail. Offering a fresh angle on cases from the nineteenth-century Dreyfus affair to the murder trial of Dutch nurse Lucia de Berk, Schneps and Colmez show how the improper application of mathematical concepts can mean the difference between walking free and life in prison. A colorful narrative of mathematical abuse, Math on Trial blends courtroom drama, history, and math to show that legal expertise isn't always enough to prove a person innocent.*

## THE BRITISH DETECTIVES COLLECTION - 270+ Murder Mysteries, Crime Stories & Suspense Thrillers (Illustrated)

### The Most Famous British Sleuths & Investigators, including Sherlock Holmes, Father Brown, P. C. Lee, Martin Hewitt, Dr. Thorndyke, Bulldog Drummond, Max Carrados, Hamilton Cleek and more

*e-artnow This unique collection of "THE BRITISH DETECTIVES COLLECTION - 270+ Murder Mysteries, Crime Stories & Suspense Thrillers (Illustrated)" has been designed and formatted to the highest digital standards. Contents: Sherlock Holmes Series: A Study in Scarlet The Sign of Four The Hound of the Baskervilles The Valley of Fear The Adventures of Sherlock Holmes The Memoirs of Sherlock Holmes The Return of Sherlock Holmes His Last Bow The Case Book of Sherlock Holmes Father Brown Stories: The Innocence of Father Brown The Wisdom of Father Brown The Incredulity of Father Brown The Secret of Father Brown The Scandal of Father Brown Inspector Furnival Series: The Abbey Court Murder The House in Charlton Crescent The Crow's Inn Tragedy Inspector Stoddart Series: The Man with the Dark Beard Who Killed Charmian Karslake? The Crime at Tattenham Corner The Crystal Beads Murder Martin Hewitt Series: Martin Hewitt, Investigator Chronicles of Martin Hewitt Adventures of Martin Hewitt The Red Triangle Dr. Thorndyke Series: The Red Thumb Mark The Eye of Osiris The Mystery of 31 New Inn A Silent Witness Helen Vardon's Confession The Cat's Eye The Mystery of Angelina Frod The Shadow of the Wolf The D'Arblay Mystery A Certain Dr. Thorndyke As a Thief in the Night Mr. Pottermack's Oversight Pontifex, Son and Thorndyke When Rogues Fall Out Dr. Thorndyke Intervenes For the Defence: Dr. Thorndyke The Stoneware Monkey Mr. Polton Explains The Jacob Street Mystery Percival Bland's Proxy The Missing Mortgagee Dr. Thorndyke's Cases The Adventures of Dr. Thorndyke Dr. Thorndyke's Casebook Hamilton Cleek Series: Cleek, the Master Detective Cleek of Scotland Yard Cleek's Government Cases Max Carrados Mysteries Thorpe Hazell Mysteries P.C. Lee Stories Paul Campenhaye - Specialist in Criminology Eugène Valmont Mysteries...*

## Mathematical Relationships in Education

### Identities and Participation

*Routledge This book brings together scholars working in the field of mathematics education to examine the ways in which learners form particular relationships with mathematics in the context of formal schooling. While demand for the mathematically literate citizen increases, many learners continue to reject mathematics and experience it as excluding and exclusive, even when they succeed at it. In exploring this phenomenon, this volume focuses on learners' developing sense of self and their understanding of the part played by mathematics in it. It recognizes the part played by emotional responses, the functioning of classroom communities of practice, and by discourses of mathematics education in this process. It thus blends perspectives from psychoanalysis, socio-cultural theory and discursive approaches in a focus on the classic issues of selection and assessment, pedagogy, curriculum, choice, and teacher development.*

## A Mathematical Mystery Tour

### Discovering the Truth and Beauty of the Cosmos

*John Wiley & Sons Incorporated Leads a review of math history from Greek mathematician Pythagoras on, stopping at various points to examine the mystery of which came first: the laws of math or the universe*

## Great Circle of Mysteries

## Mathematics, the World, the Mind

*Birkhäuser This visionary and engaging book provides a mathematical perspective on the fundamental ideas of numbers, space, life, evolution, the brain and the mind. The author suggests how a development of mathematical concepts in the spirit of category theory may lead to unravelling the mystery of the human mind and the design of universal learning algorithms. The book is divided into two parts, the first of which describes the ideas of great mathematicians and scientists, those who saw sparks of light in the dark sea of unknown. The second part, Memorandum Ergo, reflects on how mathematics can contribute to the understanding of the mystery of thought. It argues that the core of the human mind is a structurally elaborated object that needs a creation of a broad mathematical context for its understanding. Readers will discover the main properties of the expected mathematical objects within this context, called ERGO-SYSTEMS, and readers will see how these "systems" may serve as prototypes for design of universal learning computer programs. This is a work of great, poetical insight and is richly illustrated. It is a highly attractive read for all those who welcome a*

mathematical and scientific way of thinking about the world.

## Pythagoras' Revenge

## A Mathematical Mystery

Princeton University Press The celebrated mathematician and philosopher Pythagoras left no writings. But what if he had and the manuscript had never been found? Where would it be located? Two mathematicians, one American, one British, set out, unbeknownst to each other, to find the missing manuscript.

## The Music of the Primes

## Searching to Solve the Greatest Mystery in Mathematics

Harper Perennial In 1859, German mathematician Bernhard Riemann presented a paper to the Berlin Academy that would forever change mathematics. The subject was the mystery of prime numbers. At the heart of the presentation was an idea that Riemann had not yet proved—one that baffles mathematicians to this day. Solving the Riemann Hypothesis could change the way we do business, since prime numbers are the lynchpin for security in banking and e-commerce. It would also have a profound impact on the cutting edge of science, affecting quantum mechanics, chaos theory, and the future of computing. Leaders in math and science are trying to crack the elusive code, and a prize of \$1 million has been offered to the winner. In this engaging book, Marcus du Sautoy reveals the extraordinary history behind the holy grail of mathematics and the ongoing quest to capture it.

## Problem Solving ... a Basic Mathematics Goal

## A Resource for Problem Solving

## Mystery of the Green Goblin

Saguaro Books, LLC Huby as in the red ruby, the strange boy who sees the future, mysteriously materializes out of nowhere to return in this exciting sequel to *The Mystery Under Third Base*. It's Halloween and Alex Cooper, age 11, is wearing a green goblin costume. On mischief night, Alex's hated math teacher falls down the stairs and suffers a fatal head injury when his mailbox blows up. A green goblin was seen near the teacher's house that night, and by the next day everyone believes that Alex Cooper murdered his teacher, including the police. Join Huby, Alex, and his schoolmates as they set out to prove that Alex did not commit the crime. Is there really a nasty green goblin in town, and what part do Alex's sometimes friends, Trash and Mungo, the town's bad boys, have to do with it?

## Mathematical Enculturation

## A Cultural Perspective on Mathematics Education

Springer Science & Business Media Mathematics is in the unenviable position of being simultaneously one of the most important school subjects for today's children to study and one of the least well understood. Its reputation is awe-inspiring. Everybody knows how important it is and everybody knows that they have to study it. But few people feel comfortable with it; so much so that it is socially quite acceptable in many countries to confess ignorance about it, to brag about one's incompetence at doing it, and even to claim that one is mathophobic! So are teachers around the world being apparently legal sadists by inflicting mental pain on their charges? Or is it that their pupils are all masochists, enjoying the thrill of self-inflicted mental torture? More seriously, do we really know what the reasons are for the mathematical activity which goes on in schools? Do we really have confidence in our criteria for judging what's important and what isn't? Do we really know what we should be doing? These basic questions become even more important when considered in the context of two growing problem areas. The first is a concern felt in many countries about the direction which mathematics education should take in the face of the increasing presence of computers and calculator-related technology in society.

## Math Mysteries, Grade 6

Carson-Dellosa Publishing The Math Mysteries series was designed to encourage students to think like math detectives, using clues to solve problems. These four different types of activities are found in each book: story-based mysteries, activities that discover the mysteries found in mathematics, rhyming riddles, and "crack-the-code" problems. All activities are identified in the table of contents with the NCTM standards. Activities integrate problem-solving with numbers and operations and can be used in a variety of ways. The forty engaging activities can be assigned individually, in pairs, as small group assignments, or can be solved together by the whole class. Students are also challenged to create their own math mysteries for others to solve. As students begin to think and write mathematically, they will enjoy the challenge found in each activity.

## The Number Mysteries

## A Mathematical Odyssey Through Everyday Life

HarperCollins UK Every time we download a song from i-tunes, take a flight across the Atlantic or talk on our mobile phones, we are relying on great mathematical inventions. Maths may fail to provide answers to various of its own problems, but it can provide answers to problems that don't seem to be its own -- how prime numbers are the key to Real Madrid's success, to secrets on the Internet and to the survival of insects in the forests of North America. In *The Number Mysteries*, Marcus du Sautoy explains how to fake a Jackson Pollock; how to work out whether or not the universe has a hole in the middle of it; how to make the world's roundest football. He shows us how to see shapes in four dimensions -- and how maths makes you a better gambler. He tells us about the quest to predict the future -- from the flight of asteroids to an impending storm, from bending a ball like Beckham to predicting population growth. It's a book to dip in to; a book to challenge and puzzle -- and a book that gives us answers.

## The Way of Mystery

### Magick, Mysticism and Self-Transcendence

*Llewellyn Worldwide* A travel guide to the inner realm of spirit. It is the flipside of magick: personal spiritual development, also known as mysticism or mystery. Respected occultist Nema explores our human desire and need for transcendence and how to go about achieving it. *The Way of Mystery* guides you to the inner realms, providing information on landmarks, pitfalls, and ways of navigating them. It's a practical and pragmatic manual for pursuing metaphysical truth, based in both Eastern (chakra) and Western (Qabalistic) teachings. When you've experienced high levels of spirituality, it guides you by explaining what to do next. It ends with two versions of the short book of mystical revelation for which Nema is famous in magical circles. **Selling Features** •A guide to solitary contemplative spirituality, using the techniques of magick to complement the way of the mystic •Written by one of the most important occultists in the world today, whose writings have influenced many top occultists and writers •A nondenominational guide to transcendence without the need for a personal guru/teacher•Reveals the nature of the soul through self-experience, and presents drugless methods of altering consciousness

### The Book Bandit

### A Mystery with Geometry

*Graphic Universe*™ The science club has created a big "book bandit" sculpture in the public library. But how did they get the sculpture in through the tiny library window? The librarians offer a prize to whoever can figure out the puzzle. The kids from Sifu Faiza's Kung Fu School know they can win, but it will take all of their geometry skills plus some unexpected cooperation to size up . . . *The Book Bandit*.

### Professor Conundrum Mysteries!

### ... When Math Is a Mystery.

*Jia Educational Products* Professor Conundrum is a retired math professor from an Ivy League university in Cambridge, Massachusetts. His long life has been filled with both triumph and profound sadness. This book traces his life, and the life of his family, from the age of 10 to 88. He solves numerous problems - both large and small - using mathematics.

### Proceedings of the 2012 International Conference on Cybernetics and Informatics

*Springer Science & Business Media* *Proceedings of the International Conference on Cybernetics and Informatics (ICCI 2012)* covers the hybridization in control, computer, information, communications and applications. ICCI 2012 held on September 21-23, 2012, in Chongqing, China, is organized by Chongqing Normal University, Chongqing University, Nanyang Technological University, Shanghai Jiao Tong University, Hunan Institute of Engineering, Beijing University, and sponsored by National Natural Science Foundation of China (NSFC). This two volume publication includes selected papers from the ICCI 2012. Covering the latest research advances in the area of computer, informatics, cybernetics and applications, which mainly includes the computer, information, control, communications technologies and applications.

### The Oxford Handbook of Numerical Cognition

*Oxford Library of Psychology* How do we understand numbers? Do animals and babies have numerical abilities? Why do some people fail to grasp numbers, and how we can improve numerical understanding? Numbers are vital to so many areas of life: in science, economics, sports, education, and many aspects of everyday life from infancy onwards. Numerical cognition is a vibrant area that brings together scientists from different and diverse research areas (e.g., neuropsychology, cognitive psychology, developmental psychology, comparative psychology, anthropology, education, and neuroscience) using different methodological approaches (e.g., behavioral studies of healthy children and adults and of patients; electrophysiology and brain imaging studies in humans; single-cell neurophysiology in non-human primates, habituation studies in human infants and animals, and computer modeling). While the study of numerical cognition had been relatively neglected for a long time, during the last decade there has been an explosion of studies and new findings. This has resulted in an enormous advance in our understanding of the neural and cognitive mechanisms of numerical cognition. In addition, there has recently been increasing interest and concern about pupils' mathematical achievement in many countries, resulting in attempts to use research to guide mathematics instruction in schools, and to develop interventions for children with mathematical difficulties. This handbook brings together the different research areas that make up the field of numerical cognition in one comprehensive and authoritative volume. The chapters provide a broad and extensive review that is written in an accessible form for scholars and students, as well as educationalists, clinicians, and policy makers. The book covers the most important aspects of research on numerical cognition from the areas of development psychology, cognitive psychology, neuropsychology and rehabilitation, learning disabilities, human and animal cognition and neuroscience, computational modeling, education and individual differences, and philosophy. Containing more than 60 chapters by leading specialists in their fields, the *Oxford Handbook of Numerical Cognition* is a state-of-the-art review of the current literature.

### Math Mystery Theater

*EDCON Publishing Group* Designed to teach elementary school children the mathematical skill of addition with renaming.

### Handbook on College Teaching

*Longwood PressLtd*

### 50 Visions of Mathematics

*Oxford University Press* "To celebrate the 50th anniversary of the founding of the Institute of Mathematics and its Applications (IMA), this book is designed to showcase the beauty of mathematics - including images inspired by mathematical problems - together with its unreasonable effectiveness and applicability, without frying your brain"--Provided by publisher.

## The Artist and the Mathematician

*Basic Books* Nicolas Bourbaki, whose mathematical publications began to appear in the late 1930s and continued to be published through most of the twentieth century, was a direct product as well as a major force behind an important revolution that took place in the early decades of the twentieth century that completely changed Western culture. Pure mathematics, the area of Bourbaki's work, seems on the surface to be an abstract field of human study with no direct connection with the real world. In reality, however, it is closely intertwined with the general culture that surrounds it. Major developments in mathematics have often followed important trends in popular culture; developments in mathematics have acted as harbingers of change in the surrounding human culture. The seeds of change, the beginnings of the revolution that swept the Western world in the early decades of the twentieth century — both in mathematics and in other areas — were sown late in the previous century. This is the story both of Bourbaki and the world that created him in that time. It is the story of an elaborate intellectual joke — because Bourbaki, one of the foremost mathematicians of his day — never existed.

## The Caspian Wine Suspense/Thriller/Mystery Series

*Quadessence Solutions* Three dynamic women revealing secrets, lies, and deceit, searching for the truth while staying ahead of those who want them dead. Three books. *Three Women*. Three compelling stories - *Captured Lies*, *Deceitful Truths*, *Split Seconds*. *Captured Lies* - Bailey was kidnapped not once but twice and now someone wants her dead. Her life is a lie! The woman who raised her isn't even related. Now, Bailey must untangle thirty years of secrets and lies to discover who she really is. But those who started it all will go to any lengths to stop her. *Deceitful Truths* - A week of Tarin's life is missing. Now someone is trying to steal the secret she is desperate to protect. Who, but the person responsible for her lost days, would know anything? Who could be behind it? Unsure who to trust but desperate to get answers, Tarin must take the leap into the unknown and hopes that those she uses to find answers aren't the ones who ultimately could destroy her life. *Split Seconds* - Tijan thought her twin died when they were 2. Now at 30 she discovers not only is her twin, Tarin, alive but the man who should have raised them both has just kidnapped her. Only he doesn't seem to know who she is. Pretending to be her sister should be easy, as they look identical but how does she pretend to be someone she just met once? Family isn't always what it seems! Praise for Maggie Thom: "... So much going on. I didn't want to put the books down!" June "I loved this series and will probably read it again. The twists and turns kept me guessing and just when I thought I knew which bad guy was which, I was wrong. Great writing." Michelle Keywords: thriller, suspense, mystery, family drama, amateur sleuth, woman sleuth, female sleuth, twists and turns, no cliffhangers, family feud, kidnapping, lost identity, stolen identity fiction, searching for family, secrets, lies, deceit, crime, family crime, winery fiction, international fiction, canadian fiction, award winning, private investigators, single mom fiction, series, mystery series, thriller series

## Zeno's Paradox

## Unraveling the Ancient Mystery Behind the Science of Space and Time

*Penguin* The fascinating story of an ancient riddle and what it reveals about the nature of time and space Three millennia ago, the Greek philosopher Zeno constructed a series of logical paradoxes to prove that motion is impossible. Today, these paradoxes remain on the cutting edge of our investigations into the fabric of space and time. *Zeno's Paradox* uses the motion paradox as a jumping-off point for an exploration of the twenty-five-hundred-year quest to uncover the true nature of the universe. From Galileo to Einstein to Stephen Hawking, some of the greatest minds in history have tackled the problem and made spectacular breakthroughs, but through it all, the paradox of motion remains.

## What Is God's Mystery?

## And Other Bible Questions Explored

*WestBow Press* Have you heard about God's mystery? Were you aware that when God finally revealed the truth of this mystery, its power changed the course of history? What is God's Mystery? opens anew the door to God's greatest plan, and explains how it continues to affect each of us today. Plus, have you ever been asked other questions about the Bible that were difficult to answer? We have. These inquiries have come from church members, our family, close friends, and even our own curiosity. As an example, how would you answer a question like, If God made everything (John 1:3) and everything was good (Genesis 1:31), then where did Satan and the demons come from? People have wrestled with questions such as, When we die do we become angels and play harps in heaven? What does the Bible tell us about hell, or the date of the end of time? How can we know God's will for our lives? Also, what does the Bible say about personal issues such as drinking wine, going to the movies, watching television, or judging others? What is God's design for sex and marriage in today's changing world? Did you realize Jesus actually mentions four conditions of man? These were questions that we felt deserved deeper answers than the traditional responses. Our concentrated search into God's Word has resulted in discoveries, supported by scripture, that we believe are so important they need to be made available for anyone who honestly desires to know God's will. We believe you will find this study very rewarding. And, more importantly, it might spark an interest in studying the Bible that will help you better know its real Author the Lord God Almighty.

## The Mystery of Shoemaker's Paper Mill

*Page Publishing Inc* This is the story of a family that lives in Cedar Rapids, Iowa, and runs a paper mill. Something happens when a storm hits the mill and a streak of lightning hits the pulping machine. They have a teenage boy who is in the high school band. He has a best friend in the band too, but he also inherited an enemy. There are strange things that keep happening. Of the two boys, one likes a cheerleader while the other likes a majorette. They run into their enemy. Strange things continue to happen. The football game doesn't go like it always does. There is a rivalry with the Shoemakers and the Mosleys that goes back years and is still going on. The family shows up for a cookout. The boys' friendship gets tested because of their different morals. There is talk of reopening the mill. There is trouble when the boys go back to school. Danny is asked to work at the mill. The boys tell Lewis Sr. their secret, and he tells the boys his secret. They decide to reopen the mill. The boys go to the last dance by themselves and have a better time than they thought. But the night turned out to be nothing but horrible. There's a fire, cookout, and a wedding aEUR" a lot of people with a lot of generosity. The mystery is no more.

## Mathematics and Art

## Mathematical Visualization in Art and Education

*Springer Science & Business Media* Recent progress in research, teaching and communication has arisen from the use of new tools in visualization. To be fruitful, visualization needs precision and beauty. This book is a source of mathematical illustrations by mathematicians as well as artists. It offers examples in many basic mathematical fields including polyhedra theory, group theory, solving polynomial equations, dynamical systems and differential topology. For a long time, arts, architecture, music and painting have been the source of new developments in mathematics. And vice versa, artists have often found new techniques, themes and inspiration within mathematics. Here, while mathematicians provide mathematical tools for the analysis of musical creations, the contributions from sculptors emphasize the role of mathematics in their work.

## Sweet Life of Mystery: the Misadventures of a Panicky Private Eye

*iUniverse Meriwether Humpferdinckand yes, thats his real namewas a private detective who had never had an interesting casethat is until he met Igor Mortimer Blackheadand yes, thats his real name, too. Of course, Meriwether didnt expect that his first real client would end up dead, having been the only person to see the body of billionaire Howard W. Lacey before it suddenly disappeared. Desperate to the solve the mystery and to prove to himself that he is the big private dick he thinks he is, Meriwether must eventually risk life and ego in order to track down a killer and to change his own personal existence forever. Filled with just the right dose of wit and wisdom and capacious amounts of comedy, Meriwethers story is sure to lead readers on an entertaining journey through the mind of an inexperienced detective, not only unsure of himself but of humankind in general such that, his quest for his true identity as a genuine private eye is marked by many a mysterious encounter with a myriad of oddball eccentrics and with one fine and sassy lady.*

## Fermat's Last Theorem

## Unlocking the Secret of an Ancient Mathematical Problem

*Basic Books Provides a close-up study of seventeenth-century French scholar Pierre de Fermat, the centuries-long effort to prove his theorem, and the work of Andrew Wiles, a Princeton researcher who ultimately came up with the solution. 25,000 first printing. \$25,000 ad/promo. Tour. IP.*

## The Last Equation of Isaac Severy

## A Novel in Clues

*Simon and Schuster \*Wall Street Journal's "Mysteries: Best of 2018" \*Book of the Month Club Selection \*Edgar Award Nominee: Best First Novel by an American Author A "hugely entertaining" (Wall Street Journal) mystery starring "a Royal Tenenbaums-esque clan of geniuses" (Martha Stewart Living)—perfect for fans of Mr. Penumbra's 24-Hour Bookstore. In this "riveting...brilliant" (Booklist) debut, Hazel Severy, the owner of a struggling Seattle bookstore, receives a letter from her adoptive grandfather—mathematician Isaac Severy—days after he dies in a suspected suicide. In his puzzling letter, Isaac alludes to a secretive organization that is after his final bombshell equation, and he charges Hazel with safely delivering it to a trusted colleague. But first, she must find where the equation is hidden. While in Los Angeles for Isaac's funeral, Hazel realizes she's not the only one searching for his life's work, and that the equation's implications have potentially disastrous consequences for the extended Severy family, a group of dysfunctional geniuses unmoored by the sudden death of their patriarch. As agents of an enigmatic company shadow Isaac's favorite son—a theoretical physicist—and a long-lost cousin mysteriously reappears in Los Angeles, the equation slips further from Hazel's grasp. She must unravel a series of confounding clues hidden inside one of her favorite novels, drawing her ever closer to his mathematical treasure. But when her efforts fall short, she is forced to enlist the help of those with questionable motives. "A novel that is anything but clueless, filled with consideration and compassion" (The Washington Post), The Last Equation of Isaac Severy proves that, like Hazel, you don't have to love math to fall under the Severy spell.*

## Mage Merlin's Unsolved Mathematical Mysteries

*MIT Press Sixteen of today's greatest unsolved mathematical puzzles in a story-driven, illustrated volume that invites readers to peek over the edge of the unknown. Most people think of mathematics as a set of useful tools designed to answer analytical questions, beginning with simple arithmetic and ending with advanced calculus. But, as Mage Merlin's Unsolved Mathematical Mysteries shows, mathematics is filled with intriguing mysteries that take us to the edge of the unknown. This richly illustrated, story-driven volume presents sixteen of today's greatest unsolved mathematical puzzles, all understandable by anyone with elementary math skills. These intriguing mysteries are presented to readers as puzzles that have time-traveled from Camelot, preserved in the notebook of Merlin, the wise magician in King Arthur's court. Our guide is Mage Maryam (named in honor of the brilliant young mathematician, the late Maryam Mirzakhani), a distant descendant of Merlin. Maryam introduces the mysteries—each of which is presented across two beautifully illustrated pages—and provides mathematical and historical context afterward. We find Merlin confronting mathematical puzzles involving tinker toys (a present for Camelot's princesses from the sorceress Morgana), cake-slicing at a festival, Lancelot's labyrinth, a vault for the Holy Grail, and more. Each mystery is a sword awaiting removal from its stone, capturing the beauty and power of mathematics.*

## The Three-Body Problem

*Allison & Busby Cambridge, 1888. When schoolmistress Vanessa Duncan learns of a murder at St John's College, little does she know that she will become deeply entangled in the mystery. Dr Geoffrey Akers, Fellow in Pure Mathematics, has been found dead, struck down by a violent blow to the head. What could provoke such a brutal act? Vanessa, finding herself in amongst Cambridge's brightest scholarly minds, discovers that the motive may lie in mathematics itself. Drawn closer to the case by a blossoming friendship with mathematician Arthur Weatherburn, Vanessa begins to investigate. When she learns of Sir Isaac Newton's elusive 'n-body problem' and the prestigious prize offered to anyone with a solution, things begin to make sense. But with further deaths occurring and the threat of an innocent man being condemned, Vanessa must hurry with her calculations...*

## Mathematics and Modern Art

## Proceedings of the First ESMA Conference, held in Paris, July 19-22, 2010

*Springer Science & Business Media The link between mathematics and art remains as strong today as it was in the earliest instances of decorative and ritual art. Arts, architecture, music and painting have for a long time been sources of new developments in mathematics, and vice versa. Many great painters have seen no contradiction between artistic and mathematical endeavors, contributing to the progress of both, using mathematical principles to guide their visual creativity, enriching their visual environment with the new objects created by the mathematical science. Owing to the recent development of the so nice techniques for visualization, while mathematicians can better explore these new mathematical objects, artists can use them to emphasize their intrinsic beauty, and create quite new sceneries. This volume, the content of the first conference of the European Society for Mathematics and the Arts (ESMA), held in Paris in 2010, gives an overview on some significant and beautiful recent works where maths and art, including architecture and music, are interwoven. The book includes a wealth of mathematical illustrations from several basic mathematical fields including classical geometry, topology, differential geometry, dynamical systems. Here, artists and mathematicians alike elucidate the thought processes and the tools used to create their work*

## The Outraged Lonely Detective Investigates the Green Toenails Murder Mystery

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