Play About A Mathematical Genius

Play About a Mathematical Genius: Exploring the Life and Mind of a Numbers Wizard on Stage

Have you ever wondered how the brilliant, often eccentric, world of mathematical genius translates to the captivating realm of theatre? A play about a mathematical genius offers a unique opportunity to explore complex ideas, human drama, and the captivating power of the human mind – all within the framework of a compelling narrative. This blog post delves into the fascinating possibilities of such a theatrical endeavor, exploring potential themes, character development, and the challenges involved in bringing the life of a mathematical genius to the stage. We'll also examine existing examples and suggest ideas for creating a truly engaging and successful play.

H2: The Allure of a Mathematical Genius in a Dramatic Setting

The life of a mathematical genius is inherently dramatic. Think of the struggles, the breakthroughs, the isolation, and the intense focus required to achieve greatness in such a demanding field. These elements provide rich fodder for a compelling theatrical production. The inherent conflict between the intensely logical world of mathematics and the messy, emotional world of human experience offers a fertile ground for dramatic tension. A play can explore the internal struggles of a character grappling with complex mathematical problems, the external pressures of societal expectations, and the personal sacrifices made in pursuit of intellectual achievement.

H2: Potential Themes to Explore in a Play About a Mathematical Genius

Several compelling themes lend themselves to a play about a mathematical genius:

The Nature of Genius: Is genius innate or cultivated? A play can explore the role of nurture and nature in shaping a mathematical prodigy's mind. Did their environment play a key role, or was it simply inherent talent?
The Struggle for Recognition: Many mathematical geniuses faced considerable obstacles in their pursuit of recognition. A play could depict the battles against sexism, racism, or societal prejudice. The frustrations of having groundbreaking work ignored or dismissed can create a powerful narrative.
The Price of Obsession: The intense focus required for mathematical breakthroughs often comes at a cost. A play can explore the toll this relentless pursuit takes on personal relationships, mental health, and overall well-being. The isolation and alienation experienced by many geniuses can be a powerful dramatic device.
The Intersection of Art and Science: Mathematics itself can be viewed as an art form, possessing its own beauty and elegance. A play can explore the connection between the creative process in mathematics and other artistic expressions. The visual representation of complex mathematical concepts on stage provides a unique theatrical challenge and opportunity.
The Human Side of a Genius: Stripping away the myth of the infallible genius, a play can focus on the flaws, insecurities, and vulnerabilities of its protagonist. Humanizing a mathematical genius makes them relatable and more compelling to the audience.

H2: Character Development: Beyond the Numbers

A successful play hinges on compelling characters. While the mathematical genius's intellectual pursuits are crucial, their personal relationships, motivations, and flaws must be fully explored. Creating relatable characters, even within the extraordinary context of mathematical genius, is vital for audience engagement. The play should delve into the character's relationships with family, colleagues, rivals, and mentors. Their personal struggles and triumphs should be as central to the narrative as their mathematical achievements.

H2: Challenges and Opportunities in Staging a Play About a Mathematical Genius

Bringing abstract concepts like complex mathematical proofs or theorems to life on stage requires creativity and innovation. Visual aids, symbolic representation, and even audience participation can be used to make these concepts more accessible and engaging. The use of lighting, sound, and set design can further enhance the theatrical experience, creating an immersive environment that reflects the world of mathematics.

H2: Examples of Plays Featuring Mathematical Genius (or related themes)

While a play explicitly focused on a single, specific mathematical genius may be less common, there are several plays that touch upon similar themes:

Plays exploring scientific breakthroughs often incorporate elements of intellectual struggle and the human cost of scientific ambition.
Plays focusing on eccentric personalities and unconventional lives could serve as inspiration for the portrayal of a mathematical genius.

H2: Ideas for a New Play About a Mathematical Genius

The possibilities are endless. Consider focusing on a lesser-known mathematician with a compelling life story, or create a fictional character inspired by the lives and struggles of multiple historical figures. The play could be a biographical drama, a historical fiction, or even a contemporary story exploring the world of modern mathematics.

Conclusion

A play about a mathematical genius presents a unique and exciting opportunity to blend intellectual rigor with compelling human drama. By focusing on both the intellectual achievements and the personal struggles of its protagonist, such a play can offer audiences a captivating theatrical experience that explores the fascinating world of mathematics and its impact on human life. The key lies in finding creative ways to represent complex mathematical ideas in a visually and emotionally engaging manner, thereby making the life of a mathematical genius accessible and compelling to a broad audience.

FAQs

1. What if my audience doesn't understand advanced mathematics? The play shouldn't require a deep understanding of mathematics. Focus on the emotional journey and human drama, using symbolic representations rather than technical explanations of complex equations.

2. How can I make the play visually interesting? Use lighting, set design, and projections to create a visually stimulating environment. Consider incorporating abstract imagery or symbolic representations of mathematical concepts.

3. How do I avoid making the play too dry or academic? Focus on the human element. Explore the character's relationships, motivations, and vulnerabilities.

4. What kind of research is necessary? Thorough research into the life and work of your chosen mathematician (or the historical context of your fictional character) is crucial for authenticity and accuracy.

5. How can I ensure my play is accessible to a wide audience? Keep the language clear and accessible. Focus on universal themes of struggle, ambition, and human connection. Use a compelling narrative structure that keeps the audience engaged.

play about a mathematical genius: Proof David Auburn, 2001 THE STORY: On the eve of her twenty-fifth birthday, Catherine, a troubled young woman, has spent years caring for her brilliant but unstable father, a famous mathematician. Now, following his death, she must deal with her own volatile emotions; the

play about a mathematical genius: Genius at Play Siobhan Roberts, 2024-10-29 A multifaceted biography of a brilliant mathematician and iconoclast A mathematician unlike any other, John Horton Conway (1937–2020) possessed a rock star's charisma, a polymath's promiscuous curiosity, and a sly sense of humor. Conway found fame as a barefoot professor at Cambridge, where he discovered the Conway groups in mathematical symmetry and the aptly named surreal numbers. He also invented the cult classic Game of Life, a cellular automaton that demonstrates how simplicity generates complexity—and provides an analogy for mathematics and the entire universe. Moving to Princeton in 1987, Conway used ropes, dice, pennies, coat hangers, and the occasional Slinky to illustrate his winning imagination and share his nerdish delights. Genius at Play tells the story of this ambassador-at-large for the beauties and joys of mathematics, lays bare Conway's personal and professional idiosyncrasies, and offers an intimate look into the mind of one of the twentieth century's most endearing and original intellectuals.

play about a mathematical genius: Struck by Genius Jason Padgett, Maureen Seaberg, 2014-04-22 From head trauma to scientific wonder—a "deeply absorbing . . . fascinating" true story of acquired savant syndrome (Entertainment Weekly). Twelve years ago, Jason Padgett had never made it past pre-algebra. But a violent mugging forever altered the way his brain worked. It turned an ordinary math-averse student into an extraordinary young man with a unique gift to see the world as no one else does: water pours from the faucet in crystalline patterns, numbers call to mind distinct geometric shapes, and intricate fractal patterns emerge from the movement of tree branches, revealing the intrinsic mathematical designs hidden in the objects around us. As his ability to understand physics skyrocketed, the "accidental genius" developed the astonishing ability to draw the complex geometric shapes he saw everywhere. Overcoming huge setbacks and embracing his new mind, Padgett "gained a vision of the world that is as beautiful as it is challenging." Along the way he fell in love, found joy in numbers, and spent plenty of time having his head examined (The New York Times Book Review). Illustrated with Jason's stunning, mathematically precise artwork, his singular story reveals the wondrous potential of the human brain, and "an incredible phenomenon which points toward dormant potential—a little Rain Man perhaps—within us all" (Darold A. Treffert, MD, author of Islands of Genius: The Bountiful Mind of the Autistic, Acquired, and Sudden Savant). "A tale worthy of Ripley's Believe It or Not! . . . This memoir sends a hopeful message to families touched by brain injury, autism, or neurological damage from strokes." —Booklist "How extraordinary it is to contemplate the bizarre gifts that might lie within all of us." —People

play about a mathematical genius: *The Man Who Knew Infinity* Robert Kanigel, 2016-04-26 A biography of the Indian mathematician Srinivasa Ramanujan. The book gives a detailed account of his upbringing in India, his mathematical achievements, and his mathematical collaboration with

English mathematician G. H. Hardy. The book also reviews the life of Hardy and the academic culture of Cambridge University during the early twentieth century.

play about a mathematical genius: Winning Ways for Your Mathematical Plays Elwyn R. Berlekamp, John H. Conway, Richard K. Guy, 2018-05-08 This classic on games and how to play them intelligently is being re-issued in a new, four volume edition. This book has laid the foundation to a mathematical approach to playing games. The wise authors wield witty words, which wangle wonderfully winning ways. In Volume 1, the authors do the Spade Work, presenting theories and techniques to dissect games of varied structures and formats in order to develop winning strategies.

play about a mathematical genius: This Book Thinks You're a Math Genius Mike Goldsmith, 2017-10-17 A creative and fun approach to math (and problem solving) for children who love hands-on learning This fill-in book helps children to think like mathematicians by introducing key mathematical concepts in a highly visual—and entertaining—way. Through fun activities and illustrations, This Book Thinks You’re a Math Genius encourages young readers to engage with new ideas by experimenting and investigating for themselves. This Book Thinks You’re a Math Genius explores seven key areas of math: geometry, space and volume, statistics, numbers and number patterns, codes and ciphers, and the concept of infinity. Each spread centers on an open-ended question that introduces a key mathematical concept and suggests activities that engage the child in a fun way. Activities include reading minds with math, having a eureka moment, and playing mathematical guess who. The end of the book includes a section of paper-based crafts. This creative approach, along with Russell’s wonderfully humorous hand-drawn illustrations, make math fun and accessible for children.

play about a mathematical genius: Archimedes Mary Gow, 2005 This latest title in the Great Minds of Science series offers a look at one of the greatest minds of the ancient world. An original and profound thinker, Archimedes was a mathematician, a physicist, a mechanical engineer, and an inventor. He is most famous for proving the law of the lever and inventing the compound pulley. Profiles the life and accomplishments of the third-century B.C. Greek mathematician and inventor, including his geometrical discoveries, solar system model, and military machines.

play about a mathematical genius: A Mind at Play Jimmy Soni, Rob Goodman, 2017-07-18 Winner of the Neumann Prize for the History of Mathematics We owe Claude Shannon a lot, and Soni & Goodman’s book takes a big first step in paying that debt. —San Francisco Review of Books Soni and Goodman are at their best when they invoke the wonder an idea can instill. They summon the right level of awe while stopping short of hyperbole. —Financial Times Jimmy Soni and Rob Goodman make a convincing case for their subtitle while reminding us that Shannon never made this claim himself. —The Wall Street Journal “A charming account of one of the twentieth century’s most distinguished scientists…Readers will enjoy this portrait of a modern-day Da Vinci.” —Fortune In their second collaboration, biographers Jimmy Soni and Rob Goodman present the story of Claude Shannon—one of the foremost intellects of the twentieth century and the architect of the Information Age, whose insights stand behind every computer built, email sent, video streamed, and webpage loaded. Claude Shannon was a groundbreaking polymath, a brilliant tinkerer, and a digital pioneer. He constructed the first wearable computer, outfoxed Vegas casinos, and built juggling robots. He also wrote the seminal text of the digital revolution, which has been called “the Magna Carta of the Information Age.” In this elegantly written, exhaustively researched biography, Soni and Goodman reveal Claude Shannon’s full story for the first time. With unique access to Shannon’s family and friends, A Mind at Play brings this singular innovator and always playful genius to life.

play about a mathematical genius: Let's Play Math Denise Gaskins, 2012-09-04

play about a mathematical genius: *The Girl who Played with Fire* Stieg Larsson, 2010 When the reporters to a sex-trafficking exposé are murdered and computer hacker Lisbeth Salander is targeted as the killer, Mikael Blomkvist, the publisher of the exposé, investigates to clear Lisbeth's name.

play about a mathematical genius: The Boy Who Loved Math Deborah Heiligman, 2013-06-25 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 unique character traits 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.

play about a mathematical genius: Euler William Dunham, 2022-01-13 Leonhard Euler was one of the most prolific mathematicians that have ever lived. This book examines the huge scope of mathematical areas explored and developed by Euler, which includes number theory, combinatorics, geometry, complex variables and many more. The information known to Euler over 300 years ago is discussed, and many of his advances are reconstructed. Readers will be left in no doubt about the brilliance and pervasive influence of Euler's work.

play about a mathematical genius: Finding Fibonacci Keith Devlin, 2017-03-07 A compelling firsthand account of Keith Devlin's ten-year quest to tell Fibonacci's story In 2000, Keith Devlin set out to research the life and legacy of the medieval mathematician Leonardo of Pisa, popularly known as Fibonacci, whose book Liber abbaci has quite literally affected the lives of everyone alive today. Although he is most famous for the Fibonacci numbers—which, it so happens, he didn't invent—Fibonacci's greatest contribution was as an expositor of mathematical ideas at a level ordinary people could understand. In 1202, Liber abbaci—the Book of Calculation—introduced modern arithmetic to the Western world. Yet Fibonacci was long forgotten after his death, and it was not until the 1960s that his true achievements were finally recognized. Finding Fibonacci is Devlin's compelling firsthand account of his ten-year quest to tell Fibonacci's story. Devlin, a math expositor himself, kept a diary of the undertaking, which he draws on here to describe the project's highs and lows, its false starts and disappointments, the tragedies and unexpected turns, some hilarious episodes, and the occasional lucky breaks. You will also meet the unique individuals Devlin encountered along the way, people who, each for their own reasons, became fascinated by Fibonacci, from the Yale professor who traced modern finance back to Fibonacci to the Italian historian who made the crucial archival discovery that brought together all the threads of Fibonacci's astonishing story. Fibonacci helped to revive the West as the cradle of science, technology, and commerce, yet he vanished from the pages of history. This is Devlin's search to find him.

play about a mathematical genius: A Doubter's Almanac Ethan Canin, 2016-02-16 NEW YORK TIMES BESTSELLER • In this mesmerizing novel, Ethan Canin, the author of America America and The Palace Thief, explores the nature of genius, rivalry, ambition, and love among multiple generations of a gifted family. Milo Andret is born with an unusual mind. A lonely child growing up in the woods of northern Michigan in the 1950s, he gives little thought to his own talent. But with his acceptance at U.C. Berkeley he realizes the extent, and the risks, of his singular gifts. California in the seventies is a seduction, opening Milo’s eyes to the allure of both ambition and indulgence. The research he begins there will make him a legend; the woman he meets there—and the rival he meets alongside her—will haunt him for the rest of his life. For Milo’s brilliance is entwined with a dark need that soon grows to threaten his work, his family, even his existence. Spanning seven decades as it moves from California to Princeton to the Midwest to New York, A Doubter’s Almanac tells the story of a family as it explores the way ambition lives alongside destructiveness, obsession alongside torment, love alongside grief. It is a story of how the flame of genius both lights and scorches every generation it touches. Graced by stunning prose and brilliant storytelling, A Doubter’s Almanac is a surprising, suspenseful, and deeply moving novel, a major work by a writer who has been hailed as “the most mature and accomplished novelist of his generation.” Praise for A Doubter’s Almanac “551 pages of bliss . . . devastating and wonderful . . . dazzling . . . You come away from the book wanting to reevaluate your choices and your

relationships. It’s a rare book that can do that, and it’s a rare joy to discover such a book.”—Esquire “[Canin] is at the top of his form, fluent, immersive, confident. You might not know where he’s taking you, but the characters are so vivid, Hans’s voice rendered so precisely, that it’s impossible not to trust in the story. . . . The delicate networks of emotion and connection that make up a family are illuminated, as if by magic, via his prose.”—Slate “Alternately explosive and deeply interior.”—New York (“Eight Books You Need to Read”) “A blazingly intelligent novel.”—Los Angeles Times “[A] beautifully written novel.”—The New York Times Book Review (Editors’ Choice)

play about a mathematical genius: Not Even Wrong Peter Woit, 2007-03-09 At what point does theory depart the realm of testable hypothesis and come to resemble something like aesthetic speculation, or even theology? The legendary physicist Wolfgang Pauli had a phrase for such ideas: He would describe them as not even wrong, meaning that they were so incomplete that they could not even be used to make predictions to compare with observations to see whether they were wrong or not. In Peter Woit's view, superstring theory is just such an idea. In Not Even Wrong , he shows that what many physicists call superstring theory is not a theory at all. It makes no predictions, even wrong ones, and this very lack of falsifiability is what has allowed the subject to survive and flourish. Not Even Wrong explains why the mathematical conditions for progress in physics are entirely absent from superstring theory today and shows that judgments about scientific statements, which should be based on the logical consistency of argument and experimental evidence, are instead based on the eminence of those claiming to know the truth. In the face of many books from enthusiasts for string theory, this book presents the other side of the story.

play about a mathematical genius: Symmetry and the Monster Mark Ronan, 2007-07-26 In an exciting, fast-paced historical narrative ranging across two centuries, Ronan takes readers on an exhilarating tour of this final mathematical quest to understand symmetry.

play about a mathematical genius: A Synopsis of Elementary Results in Pure and Applied Mathematics George Shoobridge Carr, 1880

play about a mathematical genius: *How to be a Maths Genius* DK, 2022-01-06 Get better at maths and numbers by realizing which math skills you already use in daily life, and learn new ones while having fun. Did you realize how much maths you are already using when playing computer games, planning a journey, or baking a cake? This ebook shows how to expand the knowledge you've already got, how your brain works things out, and how you can get even better at all sorts of maths. Explore amazing algebra, puzzling primes, super sequences, and special shapes. Challenge yourself with quizzes to answer, puzzles to solve, codes to crack, and geometrical illusions to inspire you, and meet the big names and even bigger brains who made mathematical history, such as Pythagoras, Grace Hopper, and Alan Turing. Whether you're a maths mastermind, numbers nerd, or completely clueless with calculations, train your brain to come out on top. This essential ebook explains the basic ideas behind maths, to give young readers greater confidence in their own ability to handle numbers and mathematical problems, and puts the ideas in context to help children understand why maths really is useful and even exciting! Fun, cartoon-style illustrations help introduce the concepts and demystify the maths.

play about a mathematical genius: *Everything and More: A Compact History of Infinity* David Foster Wallace, 2010-09-21 The period from the 5th to the 7th century AD was characterised by far-reaching structural changes that affected the entire west of the Roman Empire. This process used to be regarded by scholars aspart of the dissolution of Roman order, but in current discussions it is nowexamined more critically. The contributions to this volume of conference papers combine approaches from history and literature studies in order to review the changing forms and fields of the establishment of collective identities, and to analyse them in their mutual relationships.

play about a mathematical genius: Quantum Theory, Groups and Representations Peter Woit, 2017-11-01 This text systematically presents the basics of quantum mechanics, emphasizing the role of Lie groups, Lie algebras, and their unitary representations. The mathematical structure of the subject is brought to the fore, intentionally avoiding significant overlap with material from standard physics courses in quantum mechanics and quantum field theory. The level of presentation is

attractive to mathematics students looking to learn about both quantum mechanics and representation theory, while also appealing to physics students who would like to know more about the mathematics underlying the subject. This text showcases the numerous differences between typical mathematical and physical treatments of the subject. The latter portions of the book focus on central mathematical objects that occur in the Standard Model of particle physics, underlining the deep and intimate connections between mathematics and the physical world. While an elementary physics course of some kind would be helpful to the reader, no specific background in physics is assumed, making this book accessible to students with a grounding in multivariable calculus and linear algebra. Many exercises are provided to develop the reader's understanding of and facility in quantum-theoretical concepts and calculations.

play about a mathematical genius: The Equation that Couldn't Be Solved Mario Livio, 2005-09-19 What do Bach's compositions, Rubik's Cube, the way we choose our mates, and the physics of subatomic particles have in common? All are governed by the laws of symmetry, which elegantly unify scientific and artistic principles. Yet the mathematical language of symmetry-known as group theory-did not emerge from the study of symmetry at all, but from an equation that couldn't be solved. For thousands of years mathematicians solved progressively more difficult algebraic equations, until they encountered the quintic equation, which resisted solution for three centuries. Working independently, two great prodigies ultimately proved that the quintic cannot be solved by a simple formula. These geniuses, a Norwegian named Niels Henrik Abel and a romantic Frenchman named Évariste Galois, both died tragically young. Their incredible labor, however, produced the origins of group theory. The first extensive, popular account of the mathematics of symmetry and order, The Equation That Couldn't Be Solved is told not through abstract formulas but in a beautifully written and dramatic account of the lives and work of some of the greatest and most intriguing mathematicians in history.

play about a mathematical genius: The Boy Who Dreamed of Infinity: A Tale of the Genius Ramanujan Amy Alznauer, 2020-04-14 A young mathematical genius from India searches for the secrets hidden inside numbers — and for someone who understands him — in this gorgeous picture-book biography. A mango . . . is just one thing. But if I chop it in two, then chop the half in two, and keep on chopping, I get more and more bits, on and on, endlessly, to an infinity I could never ever reach. In 1887 in India, a boy named Ramanujan is born with a passion for numbers. He sees numbers in the squares of light pricking his thatched roof and in the beasts dancing on the temple tower. He writes mathematics with his finger in the sand, across the pages of his notebooks, and with chalk on the temple floor. “What is small?” he wonders. “What is big?” Head in the clouds, Ramanujan struggles in school — but his mother knows that her son and his ideas have a purpose. As he grows up, Ramanujan reinvents much of modern mathematics, but where in the world could he find someone to understand what he has conceived? Author Amy Alznauer gently introduces young readers to math concepts while Daniel Miyares’s illustrations bring the wonder of Ramanujan’s world to life in the inspiring real-life story of a boy who changed mathematics and science forever. Back matter includes a bibliography and an author’s note recounting more of Ramanujan’s life and accomplishments, as well as the author’s father’s remarkable discovery of Ramanujan’s Lost Notebook.

play about a mathematical genius: *Special Relativity and Classical Field Theory* Leonard Susskind, Art Friedman, 2017-09-26 The third volume in the bestselling physics series cracks open Einstein's special relativity and field theory Physicist Leonard Susskind and data engineer Art Friedman are back. This time, they introduce readers to Einstein's special relativity and Maxwell's classical field theory. Using their typical brand of real math, enlightening drawings, and humor, Susskind and Friedman walk us through the complexities of waves, forces, and particles by exploring special relativity and electromagnetism. It's a must-read for both devotees of the series and any armchair physicist who wants to improve their knowledge of physics' deepest truths.

play about a mathematical genius: Mathematical Mindsets Jo Boaler, 2015-10-12 Banish math anxiety and give students of all ages a clear roadmap to success Mathematical Mindsets

provides practical strategies and activities to help teachers and parents show all children, even those who are convinced that they are bad at math, that they can enjoy and succeed in math. Jo Boaler—Stanford researcher, professor of math education, and expert on math learning—has studied why students don't like math and often fail in math classes. She's followed thousands of students through middle and high schools to study how they learn and to find the most effective ways to unleash the math potential in all students. There is a clear gap between what research has shown to work in teaching math and what happens in schools and at home. This book bridges that gap by turning research findings into practical activities and advice. Boaler translates Carol Dweck's concept of 'mindset' into math teaching and parenting strategies, showing how students can go from self-doubt to strong self-confidence, which is so important to math learning. Boaler reveals the steps that must be taken by schools and parents to improve math education for all. Mathematical Mindsets: Explains how the brain processes mathematics learning Reveals how to turn mistakes and struggles into valuable learning experiences Provides examples of rich mathematical activities to replace rote learning Explains ways to give students a positive math mindset Gives examples of how assessment and grading policies need to change to support real understanding Scores of students hate and fear math, so they end up leaving school without an understanding of basic mathematical concepts. Their evasion and departure hinders math-related pathways and STEM career opportunities. Research has shown very clear methods to change this phenomena, but the information has been confined to research journals—until now. Mathematical Mindsets provides a proven, practical roadmap to mathematics success for any student at any age.

play about a mathematical genius: A Disappearing Number Simon McBurney (Theatre Complicite), 2012-06-21 A Disappearing Number takes as its starting point the story of one of the most mysterious and romantic mathematical collaborations of all time. Simultaneously a narrative and an enquiry, the production crosses three continents and several histories, to weave a provocative theatrical pattern about our relentless compulsion to understand. A man mourns the loss of his lover, a mathematician mourns her own fate. A businessman travels from Los Angeles to Chennai pursuing the future; a physicist in CERN looks for it too. The mathematician G.H. Hardy seeks to comprehend the ideas of the genius Srinivasa Ramanujan in the chilly English surroundings of Cambridge during the First World War. Ramanujan looks to create some of the most complex mathematical patterns of all time. Threaded through this pattern of stories and ideas are questions. About mathematics and beauty; imagination and the nature of infinity; about what is continuous and what is permanent; how we are attached to the past and how we affect the future; how we create and how we love. The book features an essay by Marcus du Sautoy, Professor of Mathematics at Wadham College, Oxford, and an introduction by Simon McBurney. The Complicité production was an astonishing success during its run at the Barbican, London in Spring 2007, winning The Evening Standard's Best New Play Award 2007. Called ' Mesmerizing' by the New York Times, 'A Disappearing Number' is a brilliant play, aided with original music composed by the award winning DJ, producer and writer Nitin Sawhney. 'A Disappearing Number' was revived at the Novello Theatre, London in autumn 2010.

play about a mathematical genius: Professor Stewart's Cabinet of Mathematical Curiosities Ian Stewart, 2010-09-03 School maths is not the interesting part. The real fun is elsewhere. Like a magpie, Ian Stewart has collected the most enlightening, entertaining and vexing 'curiosities' of maths over the years... Now, the private collection is displayed in his cabinet. There are some hidden gems of logic, geometry and probability -- like how to extract a cherry from a cocktail glass (harder than you think), a pop up dodecahedron, the real reason why you can't divide anything by zero and some tips for making money by proving the obvious. Scattered among these are keys to unlocking the mysteries of Fermat's last theorem, the Poincaré Conjecture, chaos theory, and the P/NP problem for which a million dollar prize is on offer. There are beguiling secrets about familiar names like Pythagoras or prime numbers, as well as anecdotes about great mathematicians. Pull out the drawers of the Professor's cabinet and who knows what could happen...

play about a mathematical genius: In Code Sarah Flannery, 2002-01-01 Originally published

in England and cowritten with her father, In Code is a wonderfully moving story about the thrill of the mathematical chase (Nature) and a paean to intellectual adventure (Times Educational Supplement). A memoir in mathematics, it is all about how a girl next door became an award-winning mathematician. photo insert.

play about a mathematical genius: The Magic Numbers of Dr. Matrix Martin Gardner, 2020-10-06 Martin Gardner's Mathematical Games columns in Scientific American inspired and entertained several generations of mathematicians and scientists. Gardner in his crystal-clear prose illuminated corners of mathematics, especially recreational mathematics, that most people had no idea existed. His playful spirit and inquisitive nature invite the reader into an exploration of beautiful mathematical ideas along with him. These columns were both a revelation and a gift when he wrote them; no one--before Gardner--had written about mathematics like this. They continue to be a marvel. This volume is a collection of Irving Joshua Matrix columns published in the magazine from 1960-1980. There were several collections of Dr. Matrix, the first in 1967; they were revised as Gardner reconnected with the good doctor over the years. This is the 1985 Prometheus Books edition and contains all the Dr. Matrix columns from the magazine.

play about a mathematical genius: The Princeton Companion to Mathematics Timothy Gowers, June Barrow-Green, Imre Leader, 2010-07-18 The ultimate mathematics reference book This is a one-of-a-kind reference for anyone with a serious interest in mathematics. Edited by Timothy Gowers, a recipient of the Fields Medal, it presents nearly two hundred entries—written especially for this book by some of the world's leading mathematicians—that introduce basic mathematical tools and vocabulary; trace the development of modern mathematics; explain essential terms and concepts; examine core ideas in major areas of mathematics; describe the achievements of scores of famous mathematicians; explore the impact of mathematics on other disciplines such as biology, finance, and music—and much, much more. Unparalleled in its depth of coverage, The Princeton Companion to Mathematics surveys the most active and exciting branches of pure mathematics. Accessible in style, this is an indispensable resource for undergraduate and graduate students in mathematics as well as for researchers and scholars seeking to understand areas outside their specialties. Features nearly 200 entries, organized thematically and written by an international team of distinguished contributors Presents major ideas and branches of pure mathematics in a clear, accessible style Defines and explains important mathematical concepts, methods, theorems, and open problems Introduces the language of mathematics and the goals of mathematical research Covers number theory, algebra, analysis, geometry, logic, probability, and more Traces the history and development of modern mathematics Profiles more than ninety-five mathematicians who influenced those working today Explores the influence of mathematics on other disciplines Includes bibliographies, cross-references, and a comprehensive index Contributors include: Graham Allan, Noga Alon, George Andrews, Tom Archibald, Sir Michael Atiyah, David Aubin, Joan Bagaria, Keith Ball, June Barrow-Green, Alan Beardon, David D. Ben-Zvi, Vitaly Bergelson, Nicholas Bingham, Béla Bollobás, Henk Bos, Bodil Branner, Martin R. Bridson, John P. Burgess, Kevin Buzzard, Peter J. Cameron, Jean-Luc Chabert, Eugenia Cheng, Clifford C. Cocks, Alain Connes, Leo Corry, Wolfgang Coy, Tony Crilly, Serafina Cuomo, Mihalis Dafermos, Partha Dasgupta, Ingrid Daubechies, Joseph W. Dauben, John W. Dawson Jr., Francois de Gandt, Persi Diaconis, Jordan S. Ellenberg, Lawrence C. Evans, Florence Fasanelli, Anita Burdman Feferman, Solomon Feferman, Charles Fefferman, Della Fenster, José Ferreirós, David Fisher, Terry Gannon, A. Gardiner, Charles C. Gillispie, Oded Goldreich, Catherine Goldstein, Fernando Q. Gouvêa, Timothy Gowers, Andrew Granville, Ivor Grattan-Guinness, Jeremy Gray, Ben Green, Ian Grojnowski, Niccolò Guicciardini, Michael Harris, Ulf Hashagen, Nigel Higson, Andrew Hodges, F. E. A. Johnson, Mark Joshi, Kiran S. Kedlaya, Frank Kelly, Sergiu Klainerman, Jon Kleinberg, Israel Kleiner, Jacek Klinowski, Eberhard Knobloch, János Kollár, T. W. Körner, Michael Krivelevich, Peter D. Lax, Imre Leader, Jean-François Le Gall, W. B. R. Lickorish, Martin W. Liebeck, Jesper Lützen, Des MacHale, Alan L. Mackay, Shahn Majid, Lech Maligranda, David Marker, Jean Mawhin, Barry Mazur, Dusa McDuff, Colin McLarty, Bojan Mohar, Peter M. Neumann, Catherine Nolan, James Norris, Brian Osserman, Richard S. Palais, Marco

Panza, Karen Hunger Parshall, Gabriel P. Paternain, Jeanne Peiffer, Carl Pomerance, Helmut Pulte, Bruce Reed, Michael C. Reed, Adrian Rice, Eleanor Robson, Igor Rodnianski, John Roe, Mark Ronan, Edward Sandifer, Tilman Sauer, Norbert Schappacher, Andrzej Schinzel, Erhard Scholz, Reinhard Siegmund-Schultze, Gordon Slade, David J. Spiegelhalter, Jacqueline Stedall, Arild Stubhaug, Madhu Sudan, Terence Tao, Jamie Tappenden, C. H. Taubes, Rüdiger Thiele, Burt Totaro, Lloyd N. Trefethen, Dirk van Dalen, Richard Weber, Dominic Welsh, Avi Wigderson, Herbert Wilf, David Wilkins, B. Yandell, Eric Zaslow, and Doron Zeilberger

play about a mathematical genius: King of Infinite Space Siobhan Roberts, 2007 Geometry is far more than just shapes and numbers. It governs much of our lives, from architecture and data-mining technology to aerodynamic car design, life-like characters in animated movies, the molecules of food, even our own body chemistry. This title discusses the groundbreaking work of Donald Coxeter, the greatest geometer of his age.

play about a mathematical genius: A Mathematician Plays The Stock Market John Allen Paulos, 2007-10-11 Can a renowned mathematician successfully outwit the stock market? Not when his biggest investment is WorldCom. In A Mathematician Plays the Stock Market , best-selling author John Allen Paulos employs his trademark stories, vignettes, paradoxes, and puzzles to address every thinking reader's curiosity about the market -- Is it efficient? Is it random? Is there anything to technical analysis, fundamental analysis, and other supposedly time-tested methods of picking stocks? How can one quantify risk? What are the most common scams? Are there any approaches to investing that truly outperform the major indexes? But Paulos's tour through the irrational exuberance of market mathematics doesn't end there. An unrequited (and financially disastrous) love affair with WorldCom leads Paulos to question some cherished ideas of personal finance. He explains why data mining is a self-fulfilling belief, why momentum investing is nothing more than herd behavior with a lot of mathematical jargon added, why the ever-popular Elliot Wave Theory cannot be correct, and why you should take Warren Buffet's fundamental analysis with a grain of salt. Like Burton Malkiel's A Random Walk Down Wall Street , this clever and illuminating book is for anyone, investor or not, who follows the markets -- or knows someone who does.

play about a mathematical genius: An Introductory Course on Mathematical Game Theory Julio González-Díaz, Ignacio García-Jurado, M. Gloria Fiestras-Janeiro, 2021-10-22 Game theory provides a mathematical setting for analyzing competition and cooperation in interactive situations. The theory has been famously applied in economics, but is relevant in many other sciences, such as political science, biology, and, more recently, computer science. This book presents an introductory and up-to-date course on game theory addressed to mathematicians and economists, and to other scientists having a basic mathematical background. The book is self-contained, providing a formal description of the classic game-theoretic concepts together with rigorous proofs of the main results in the field. The theory is illustrated through abundant examples, applications, and exercises. The style is distinctively concise, while offering motivations and interpretations of the theory to make the book accessible to a wide readership. The basic concepts and results of game theory are given a formal treatment, and the mathematical tools necessary to develop them are carefully presented. Cooperative games are explained in detail, with bargaining and TU-games being treated as part of a general framework. The authors stress the relation between game theory and operations research. The book is suitable for a graduate or an advanced undergraduate course on game theory.

play about a mathematical genius: Think Like A Maths Genius Michael Shermer, Arthur Benjamin, 2011-09-01 Did you know that it's easier to add and subtract from left to right, rather than the other way round? And that you can be taught to square a three-digit number in seconds? In Think Like A Maths Genius, two mathematicians offer tips and tricks for doing tricky maths the easy way. With their help, you can learn how to perform lightning calculations in your head, discover methods of incredible memorisation and other feats of mental agility. Learn maths secrets for the real world, from adding up your shopping and calculating a restaurant tip, to figuring out gambling odds (or how much you've won) and how to solve sudoku faster.

play about a mathematical genius: A Beautiful Math Tom Siegfried, 2006-09-21 Millions have seen the movie and thousands have read the book but few have fully appreciated the mathematics developed by John Nash's beautiful mind. Today Nash's beautiful math has become a universal language for research in the social sciences and has infiltrated the realms of evolutionary biology, neuroscience, and even quantum physics. John Nash won the 1994 Nobel Prize in economics for pioneering research published in the 1950s on a new branch of mathematics known as game theory. At the time of Nash's early work, game theory was briefly popular among some mathematicians and Cold War analysts. But it remained obscure until the 1970s when evolutionary biologists began applying it to their work. In the 1980s economists began to embrace game theory. Since then it has found an ever expanding repertoire of applications among a wide range of scientific disciplines. Today neuroscientists peer into game players' brains, anthropologists play games with people from primitive cultures, biologists use games to explain the evolution of human language, and mathematicians exploit games to better understand social networks. A common thread connecting much of this research is its relevance to the ancient quest for a science of human social behavior, or a Code of Nature, in the spirit of the fictional science of psychohistory described in the famous Foundation novels by the late Isaac Asimov. In A Beautiful Math, acclaimed science writer Tom Siegfried describes how game theory links the life sciences, social sciences, and physical sciences in a way that may bring Asimov's dream closer to reality.

play about a mathematical genius: The Universe in a Handkerchief Martin Gardner, 2007-04-03 This book contains scores of intriguing puzzles and paradoxes from Lewis Carroll, the author of Alice in Wonderland, whose interests ranged from inventing new games like Arithmetical Croquet to important problems in symbolic logic and propositional calculus. Written by Carroll expert and well-known mathematics author Martin Gardner, this tour through Carroll's inventions is both fun and informative.

play about a mathematical genius: Mind and Matter John Urschel, Louisa Thomas, 2020-05-12 A New York Times bestseller John Urschel, mathematician and former offensive lineman for the Baltimore Ravens, tells the story of a life balanced between two passions For John Urschel, what began as an insatiable appetite for puzzles as a child developed into mastery of the elegant systems and rules of mathematics. By the time he was thirteen, Urschel was auditing a college-level calculus course. But when he joined his high school football team, a new interest began to eclipse the thrill he felt in the classroom. Football challenged Urschel in an entirely different way, and he became addicted to the physical contact of the sport. After he accepted a scholarship to play at Penn State, his love of math was rekindled. As a Nittany Lion, he refused to sacrifice one passion for the other. Against the odds, Urschel found a way to manage his double life as a scholar and an athlete. While he was an offensive lineman for the Baltimore Ravens, he simultaneously pursued his PhD in mathematics at MIT. Weaving together two separate narratives, Urschel relives for us the most pivotal moments of his bifurcated life. He explains why, after Penn State was sanctioned for the acts of former coach Jerry Sandusky, he declined offers from prestigious universities and refused to abandon his team. He describes his parents’ different influences and their profound effect on him, and he opens up about the correlation between football and CTE and the risks he took for the game he loves. Equally at home discussing Georg Cantor’s work on infinities and Bill Belichick’s playbook, Urschel reveals how each challenge—whether on the field or in the classroom—has brought him closer to understanding the two different halves of his own life, and how reason and emotion, the mind and the body, are always working together. “So often, people want to divide the world into two,” he observes. “Matter and energy. Wave and particle. Athlete and mathematician. Why can’t something (or someone) be both?”

play about a mathematical genius: *Off the Charts* Ann Hulbert, 2019-01-22 Ann Hulbert’s in-depth exploration of the lives of sixteen extraordinary children over the course of the past century casts new light on America’s current obsession with early achievement. The figures she profiles include math genius Norbert Wiener, founder of cybernetics; two girls whose fiction and poetry stirred debate in the 1920s; the movie superstar Shirley Temple; the African-American pianist and

composer Philippa Schuyler; the chess champion Bobby Fischer; computer pioneers and “prodigious savants” with autism; and musical prodigies, present and past. Hulbert probes the changing roles of parents and teachers as well as of psychologists and a curious press. Above all, she delves into the feelings of the prodigies themselves, whose stories so intriguingly raise hopes about untapped human potential and questions about how best to nurture it.

play about a mathematical genius: Turing's Cathedral George Dyson, 2012 Documents the innovations of a group of eccentric geniuses who developed computer code in the mid-20th century as part of mathematician Alan Turin's theoretical universal machine idea, exploring how their ideas led to such developments as digital television, modern genetics and the hydrogen bomb.

play about a mathematical genius: Under the Literary Microscope Sina Farzin, Susan M. Gaines, Roslynn D. Haynes, 2021-05-03 “Science in fiction,” “geek novels,” “lab-lit”—whatever one calls them, a new generation of science novels has opened a space in which the reading public can experience and think about the powers of science to illuminate nature as well as to generate and mitigate social change and risks. Under the Literary Microscope examines the implications of the discourse taking place in and around this creative space. Exploring works by authors as disparate as Barbara Kingsolver, Richard Powers, Ian McEwan, Ann Patchett, Margaret Atwood, and Michael Crichton, these essays address the economization of scientific institutions; ethics, risk, and gender disparity in scientific work; the reshaping of old stereotypes of scientists; science in an evolving sci-fi genre; and reader reception and potential contributions of the novels to public understandings of science. Under the Literary Microscope illuminates the new ways in which fiction has been grappling with scientific issues—from climate change and pandemics to artificial intelligence and genomics—and makes a valuable addition to both contemporary literature and science studies courses. In addition to the editors, the contributors include Anna Auguscik, Jay Clayton, Carol Colatrella, Sonja Fücker, Raymond Haynes, Luz María Hernández Nieto, Emanuel Herold, Karin Hoepker, Anton Kirchhofer, Antje Kley, Natalie Roxburgh, Uwe Schimank, Sherryl Vint, and Peter Weingart.

play about a mathematical genius: Staging Don DeLillo Rebecca Rey, 2016-03-31 The first book-length study to focus on Don DeLillo's plays, Staging Don DeLillo brings the author's theatre works to the forefront. Rebecca Rey explores four central themes that emerge across DeLillo's theatre oeuvre: the centrality of language; the human fear of death; the elusiveness of truth; and the deceptive, slippery nature of personal identity. Rey examines all seven of DeLillo's plays chronologically: The Engineer of Moonlight (1979), The Day Room (1986), the one-minute plays The Rapture of the Athlete Assumed Into Heaven (1990), and The Mystery at the Middle of Ordinary Life (2000), Valparaiso (1999), Love-Lies-Bleeding (2006), and The Word for Snow (2014). Written in clear, accessible language, and interweaving critique of DeLillo's novels throughout, this book will appeal not only to DeLillo scholars but also to anyone working on contemporary literature and drama.

Challenge your friends to a good old Fireboy and Watergirl adventure, race through the most amazing places in our Car Games, or play it cool with a puzzle that keeps your mind sharp.

Play Games Online | Free Games at Gamesgames.com
Totally new ones are added every day, and there’s over 10,000 free online games for you to play. At GamesGames, you can try out everything from kids games to massive multiplayer online …

Free Online Games for All Ages - Start Playing Today! - Y8.com
Play phone games or get rich 3d graphics on desktops by playing webgl games. Extensive Game Network Otherwise, if your preference is casual 2D worlds, then HTML5 games will suit you. if …

Play Online Games for Free | now.gg Mobile Cloud
Play your favorite games online for free. No downloads or installs. Enjoy non-stop gaming on any device at a single click on now.gg.

Play Our Free Browser-Based Online Games - Plays.org
Oct 31, 2022 · Play Our Free Browser-Based Online Games We offer players thousands of free online games across hundreds of categories. All games in our collection are unblocked free …

Free Online Games | Addicting Games has over 5000 Games
Whether you're looking for adventure games, shooting games, matching games, daily games, or 'endless' games, you're sure to find something in our expansive library of over 5000 free …

Playtropolis - Free Online Games - Play Now!
Playtropolis is the best place to play free online games on your mobile, tablet, or PC. No downloads, no installs, no intrusive ads—just pure fun. Play now!

Android Apps on Google Play
7DS 5.5th Anniv. Holy War Festival Meet the Oppressor Demon King! Get up to 200 Diamonds and 154 Draws just by checking in! Get special tickets daily for a chance to win up to 550 …

Free Online Games at Poki - Play Now!
Poki is the #1 website for playing free online games on your mobile, tablet or computer. No downloads, no login. Play now!

Free Online Games on CrazyGames | Play Now!
Play free online games at CrazyGames, the best place to play high-quality browser games. We add new games every day. Have fun!

Play Games Online for Free at Play-Games.com
Challenge your friends to a good old Fireboy and Watergirl adventure, race through the most amazing places in our Car Games, or play it cool with a puzzle that keeps your mind sharp.

Play Games Online | Free Games at Gamesgames.com
Totally new ones are added every day, and there’s over 10,000 free online games for you to play. At GamesGames, you can try out everything from kids games to massive multiplayer online …

Free Online Games for All Ages - Start Playing Today! - Y8.com
Play phone games or get rich 3d graphics on desktops by playing webgl games. Extensive Game Network Otherwise, if your preference is casual 2D worlds, then HTML5 games will suit you. if …

Play Online Games for Free | now.gg Mobile Cloud
Play your favorite games online for free. No downloads or installs. Enjoy non-stop gaming on any device at a single click on now.gg.

Play Our Free Browser-Based Online Games - Plays.org
Oct 31, 2022 · Play Our Free Browser-Based Online Games We offer players thousands of free online games across hundreds of categories. All games in our collection are unblocked free …

Free Online Games | Addicting Games has over 5000 Games
Whether you're looking for adventure games, shooting games, matching games, daily games, or 'endless' games, you're sure to find something in our expansive library of over 5000 free …

Playtropolis - Free Online Games - Play Now!
Playtropolis is the best place to play free online games on your mobile, tablet, or PC. No downloads, no installs, no intrusive ads—just pure fun. Play now!

Back to Home