

The Boy Who Loved Math The Improbable Life Of Paul Erdos

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Infinity and Me

Describes the traditions and customs associated with the celebration of Passover.

On a Beam of Light

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

Loving and Hating Mathematics

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

There's No Such Thing as Little

Join Zero on his math adventure as he discovers his place through multiplication. Zero is lonely in Digitaria. He can't play Addemup with the other numbers because he has nothing to add. All the other numbers seem to belong and they all have a place, but when zero discovers multiplication he thinks he might have a place there. He sets out to find King Multiplus who also is curious about what will happen when Zero gets thrown in the mix. With math and wordplay A Place for Zero is the perfect introduction to multiplication and number placement. A playful way to make math less intimidating and more fun to explore.

Mesmerizing Math

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

Math Fables

A counting book that leads readers through a day in the life of a construction worker building with bricks.

The Boy with a Broken Heart

When I looked up, I shivered. How many stars were in the sky? A million? A billion? Maybe the number was as big as infinity. I started to feel very, very small. How could I even think about something as big as infinity? Uma can't help feeling small when she peers up at the night sky. She begins to wonder about infinity. Is infinity a number that grows forever? Is it an endless racetrack? Could infinity be in an ice cream cone? Uma soon finds that the ways to think about this big idea may just be . . . infinite.

The Boy Who Loved Math

This offering from the Holidays around the World series introduces children to the Jewish Festival of Lights. Heiligman recounts the holiday's history and origins and describes how it is celebrated today--with candles, special foods such as potato latkes, and games such as dreidel. The main text is succinct and appropriate for reading aloud.

Blockhead

It's a big day for a little girl when she discovers her first loose tooth and makes a trip to the grocery store on the mainland.

The Bear Who Wasn't There

This positive math story for kids is perfect for anyone who has ever struggled with learning by memorization. Readers of all ages will discover that struggles don't always mean you're bad at something, but that maybe you just learn differently from others. If you're looking for books about anxiety in kids or embracing a growth mindset in math, then *Last to Finish, A Story About the Smartest Boy in Math Class* will be the perfect addition to your home or school library. Max is convinced he will never succeed at memorizing his multiplication facts. When it's time for a test, one by one, Max's classmates turn in their finished papers before the timer rings. Not Max. As soon as the teacher starts the timer, his heart begins to pound, his hands begin to sweat, and his brain freezes! He is always the last to finish and sometimes the other kids tease him about it. Is Max the worst math student ever? The *Adventures of Everyday Geniuses Series: Free Association Where My Mind Goes During Science Class Stacey Coolidge Fancy-Smancy Cursive Handwriting Mrs. Gorski I Think I Have the Wiggle Fidgets If You're So Smart, How Come You Can't Spell Mississippi Last to Finish, A Story About the Smartest Boy in Math Class Keep Your Eye on the Prize Positive*, humorous stories, demonstrate varying forms of learning, creativity, and intelligence. Introduces readers to a specific learning style or learning difference while offering realistic examples of triumph over difficulty. The *Adventures of Everyday Geniuses* series is meant to demonstrate various forms of learning, creativity, and intelligence. Each book introduces a realistic example of triumph over difficulty in a positive, humorous way that readers of all ages will enjoy! "Children and teachers alike will celebrate the message, conveyed poignantly in *Last to Finish*, that 'mathematics is much more than memorizing math facts and taking timed tests' Esham richly captures the dilemma when one such youngster encounters difficulties with memorizing math facts but, in fact, is a deep thinker of mathematics just the same. The reader will discover that the solution is both true and simple." —Dr. Susan Baum, The College of New Rochelle Professor Emeritus, Gifted Education Praise for the series: "This is a wonderful book series. Each story shows children that success is about effort and determination, that problems need not derail them, and that adults can understand their worries and struggles. My research demonstrates that these lessons are essential for children." —Dr. Carol S. Dweck

Grandfather Tang's Story

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

Charles and Emma

Growing up in Hungary during WWI, Erdos tried school but chafed at the rules and convinced his mother that he should study at home. He was fascinated by numbers from an early age, and by the time he was 20, he was known as The

Magician from Budapest. Unable to do common tasks such as cooking, laundry, or driving, he spent his adult life flying around the world, staying with other mathematicians, and working collaboratively on challenging math problems.

The Boy Who Loved Words

Traces the eccentric life of legendary mathematician Paul Erdos, a wandering genius who fled his native Hungary during the Holocaust and helped devise the mathematical basis of computer science.

I'm Trying to Love Math

Big Sister always gets to do things first, but Little Sister can do things just as well.

The Girl with a Mind for Math

As Aidan Errol is pronounced Wilderking, a pact is signed between Corenwald and the Pyrthen Empire, but as Aiden shoulders the weight and glory of his destiny, Corenwald is double crossed and an epic battle to save the kingdom ensues. Original.

Big Sister, Little Sister

A boy rides a bicycle down a dusty road. But in his mind, he envisions himself traveling at a speed beyond imagining, on a beam of light. This brilliant mind will one day offer up some of the most revolutionary ideas ever conceived. From a boy endlessly fascinated by the wonders around him, Albert Einstein ultimately grows into a man of genius recognized the world over for profoundly illuminating our understanding of the universe. Jennifer Berne and Vladimir Radunsky invite the reader to travel along with Einstein on a journey full of curiosity, laughter, and scientific discovery. Parents and children alike will appreciate this moving story of the powerful difference imagination can make in any life.

The Boy who Loved Math

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.

My Brain is Open

Bear has gone missing! When he doesn't show up in the book he's supposed to star in, his friends rally to find him. Who will find him first? Will it be Giraffe, who himself seems to always be in the wrong place at the wrong time, or Cow, or even the author herself? Duck doesn't seem concerned that Bear is missing. In fact, he seems to be trying to steal the show for himself! But after pages of searching high and low and everywhere between, Bear appears after all, somewhere utterly unexpected. LeUyen Pham's latest picture book invites readers to join the hilarious search for the titular missing Bear.

Celebrate Hanukkah

Printz Honor Book • YALSA Nonfiction Award Winner • Boston Globe-Horn Book Award Winner • SCBWI Golden Kite Winner • Cybils Senior High Nonfiction Award Winner From the author of National Book Award finalist Charles and Emma comes an incredible story of brotherly love. The deep and enduring friendship between Vincent and Theo Van Gogh shaped both brothers' lives. Confidant, champion, sympathizer, friend—Theo supported Vincent as he struggled to find his path in life. They shared everything, swapping stories of lovers and friends, successes and disappointments, dreams and ambitions. Meticulously researched, drawing on the 658 letters Vincent wrote to Theo during his lifetime, Deborah Heiligman weaves a tale of two lives intertwined and the extraordinary love of the Van Gogh brothers.

Nothing Stopped Sophie

Grandfather tells a story about shape-changing fox fairies who try to best each other until a hunter brings danger to both of them.

A Place for Zero

In this Parents' Choice Gold Award-winning book, Selig collects words, ones that stir his heart (Mama!) and ones that make him laugh (giggle). But what to do with so many luscious words? After helping a poet find the perfect words for his poem (lozenge, lemon, and licorice), he figures it out: His purpose is to spread the word to others. And so he begins to sprinkle, disburse, and broadcast them to people in need.

The Bark of the Bog Owl

The true story of eighteenth-century mathematician Sophie Germain, who solved the unsolvable to achieve her dream. When her parents took away her candles to keep their young daughter from studying math nothing stopped Sophie. When a professor discovered that the homework sent to him under a male pen name came from a woman nothing stopped Sophie. And when she tackled a math problem that male scholars said would be impossible to solve still, nothing stopped Sophie. For six years Sophie Germain used her love of math and her undeniable determination to test equations that would predict patterns of vibrations. She eventually became the first woman to win a grand prize from France's prestigious Academy of Sciences for her formula, which laid the groundwork for much of modern architecture (and can be seen in the book's illustrations). Award-winning author Cheryl Bardoe's inspiring and poetic text is brought to life by acclaimed artist Barbara McClintock's intricate pen-and-ink, watercolor, and collage illustrations in this true story about a woman who let nothing stop her.

The Phantom Tollbooth

How do you approach a math problem that challenges you? Do you keep trying until you reach a solution? Or are you like Amy, who gets frustrated easily and gives up? Amy is usually a happy and enthusiastic student in grade five who loves to dance, but she is struggling with a tough math assignment. She doesn't think she is good at math because her classmates always get the answers faster than she does and sometimes she uses her fingers to help her count. Even though her mom tries to help her, Amy is convinced she just cannot do math. She decides not to do the assignment at all since she thinks she wouldn't do well anyway. As Amy goes about her day, her experiences at ballet class, the playground, and gym class have her thinking back to how she gave up on her math assignment. She starts to notice that hard-work, practice, and dedication lead to success, thanks to her friends and teachers. She soon comes to understand that learning math is no different than learning any other skill in life. With some extra encouragement from her math teacher, a little help from her mom, and a new attitude, Amy realizes that she can do math!

The Boy Who Dreamed of Infinity: A Tale of the Genius Ramanujan

Mathematics is often thought of as the coldest expression of pure reason. But few subjects provoke hotter emotions--and inspire more love and hatred--than mathematics. And although math is frequently idealized as floating above the messiness of human life, its story is nothing if not human; often, it is all too human. *Loving and Hating Mathematics* is about the hidden human, emotional, and social forces that shape mathematics and affect the experiences of students and mathematicians. Written in a lively, accessible style, and filled with gripping stories and anecdotes, *Loving and Hating Mathematics* brings home the intense pleasures and pains of mathematical life. These stories challenge many myths, including the notions that mathematics is a solitary pursuit and a "young man's game," the belief that mathematicians are emotionally different from other people, and even the idea that to be a great mathematician it helps to be a little bit crazy. Reuben Hersh and Vera John-Steiner tell stories of lives in math from their very beginnings through old age, including accounts of teaching and mentoring, friendships and rivalries, love affairs and marriages, and the experiences of women and minorities in a field that has traditionally been unfriendly to both. Included here are also stories of people for whom mathematics has been an immense solace during times of crisis, war, and even imprisonment--as well as of those rare individuals driven to insanity and even murder by an obsession with math. This is a book for anyone who wants to understand why the most rational of human endeavors is at the same time one of the most emotional.

Abe Lincoln

A heartwarming book that takes a look at all things little . . . and reveals some big surprises with each turn of the page. These things may seem little: A fish. An idea. A snowflake. But what if that little fish was also brave? And that little idea was fantastic? And that little snowflake turned out to be unique in all the world? Featuring die-cut holes in the spirit of Laura Vaccaro Seeger's *Lemons Are Not Red*, *There's No Such Thing as Little* is bright, warm, and endlessly inviting, and will encourage readers of all ages to think BIG about what "little" really means.

Odd Boy Out

You're asking me to hold your hand. And now you're turning away from me. You are saying something but I can't hear you. It's too windy. You're crying now. Now you're smiling. I'm done. I love you . . .' It's been two years since Raghu left his first love, Brahmi, on the edge of the roof one fateful night. He couldn't save her; he couldn't be with her. Having lost everything, Raghu now wants to stay hidden from the world. However, the annoyingly persistent Advaita finds his elusiveness very attractive. And the more he ignores her, the more she's drawn to him till she bulldozes her way into an unlikely friendship. What attracts at first, begins to grate. Advaita can't help but want to know what Raghu has left behind, what he's hiding, and who broke his heart. She wants to love him back to life, but for that she needs to know what wrecked him in the first place. After all, the antidote to heartache is love.

Billions of Bricks

Children's Choice Award winner Bethany Barton applies her signature humor to the scariest subject of all: math! Do multiplication tables give you hives? Do you break out in a sweat when you see more than a few numbers hanging out together? Then I'm Trying to Love Math is for you! In her signature hilarious style, Bethany Barton introduces readers to the things (and people) that use math in amazing ways -- like music, and spacecraft, and even baking cookies! This isn't a how-to math book, it's a way to think differently about math as a necessary and cool part of our lives!

Really Big Numbers

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.

Last to Finish, A Story About the Smartest Boy in Math Class

Meet Raye Montague—the hidden mastermind who made waves in the U.S. Navy! After touring a German submarine in the early 1940s, young Raye set her sights on becoming an engineer. Little did she know sexism and racial inequality would challenge that dream every step of the way, even keeping her greatest career accomplishment a secret for decades. Through it all, the gifted mathematician persisted—finally gaining her well-deserved title in history: a pioneer who changed the course of ship design forever. The Girl With a Mind for Math: The Story of Raye Montague is the third book in a riveting educational series about the inspiring lives of amazing scientists. In addition to the illustrated rhyming tale, you'll find a complete biography, fun facts, a colorful timeline of events, and even a note from Montague herself!

Vincent and Theo

From 1 to 10, these "lessons that count" are math magic for learning addition and subtraction. Greg Tang has built his career as an author and math missionary on the power of creative problem solving. Now, through winsome "fables" about concepts that are relevant to the very youngest math learners -- sharing, teamwork, etc. -- Greg encourages kids to see the

basics of addition and subtraction in entirely new ways. Fresh, fun, and most of all, inspiring, MATH FABLES is perfect for launching young readers on the road to math success!

1Q84

Wow! This is a powerful book that addresses a long-standing elephant in the mathematics room. Many people learning math ask ``Why is math so hard for me while everyone else understands it?" and ``Am I good enough to succeed in math?" In answering these questions the book shares personal stories from many now-accomplished mathematicians affirming that ``You are not alone; math is hard for everyone" and ``Yes; you are good enough." Along the way the book addresses other issues such as biases and prejudices that mathematicians encounter, and it provides inspiration and emotional support for mathematicians ranging from the experienced professor to the struggling mathematics student. --Michael Dorff, MAA President This book is a remarkable collection of personal reflections on what it means to be, and to become, a mathematician. Each story reveals a unique and refreshing understanding of the barriers erected by our cultural focus on ``math is hard." Indeed, mathematics is hard, and so are many other things--as Stephen Kennedy points out in his cogent introduction. This collection of essays offers inspiration to students of mathematics and to mathematicians at every career stage. --Jill Pipher, AMS President This book is published in cooperation with the Mathematical Association of America.

Bedtime Math: A Fun Excuse to Stay Up Late

The long-awaited magnum opus from Haruki Murakami, in which this revered and bestselling author gives us his hypnotically addictive, mind-bending ode to George Orwell's 1984. The year is 1984. Aomame is riding in a taxi on the expressway, in a hurry to carry out an assignment. Her work is not the kind that can be discussed in public. When they get tied up in traffic, the taxi driver suggests a bizarre 'proposal' to her. Having no other choice she agrees, but as a result of her actions she starts to feel as though she is gradually becoming detached from the real world. She has been on a top secret mission, and her next job leads her to encounter the superhuman founder of a religious cult. Meanwhile, Tengo is leading a nondescript life but wishes to become a writer. He inadvertently becomes involved in a strange disturbance that develops over a literary prize. While Aomame and Tengo impact on each other in various ways, at times by accident and at times intentionally, they come closer and closer to meeting. Eventually the two of them notice that they are indispensable to each other. Is it possible for them to ever meet in the real world?

Finding Beauty

The biography of a mathematical genius. Paul Erdos was the most prolific pure mathematician in history and, arguably, the

strangest too. 'A mathematical genius of the first order, Paul Erdos was totally obsessed with his subject -- he thought and wrote mathematics for nineteen hours a day until he died. He travelled constantly, living out of a plastic bag and had no interest in food, sex, companionship, art -- all that is usually indispensable to a human life. Paul Hoffman, in this marvellous biography, gives us a vivid and strangely moving portrait of this singular creature, one that brings out not only Erdos's genius and his oddness, but his warmth and sense of fun, the joyfulness of his strange life.' Oliver Sacks For six decades Erdos had no job, no hobbies, no wife, no home; he never learnt to cook, do laundry, drive a car and died a virgin. Instead he travelled the world with his mother in tow, arriving at the doorstep of esteemed mathematicians declaring 'My brain is open'. He travelled until his death at 83, racing across four continents to prove as many theorems as possible, fuelled by a diet of espresso and amphetamines. With more than 1,500 papers written or co-written,

Everyone Can Learn Math

Charles Darwin published *The Origin of Species*, his revolutionary tract on evolution and the fundamental ideas involved, in 1859. Nearly 150 years later, the theory of evolution continues to create tension between the scientific and religious communities. Challenges about teaching the theory of evolution in schools occur annually all over the country. This same debate raged within Darwin himself, and played an important part in his marriage: his wife, Emma, was quite religious, and her faith gave Charles a lot to think about as he worked on a theory that continues to spark intense debates. Deborah Heiligman's new biography of Charles Darwin is a thought-provoking account of the man behind evolutionary theory: how his personal life affected his work and vice versa. The end result is an engaging exploration of history, science, and religion for young readers. *Charles and Emma* is a 2009 National Book Award Finalist for Young People's Literature.

Math Curse

In the American Mathematical Society's first-ever book for kids (and kids at heart), mathematician and author Richard Evan Schwartz leads math lovers of all ages on an innovative and strikingly illustrated journey through the infinite number system. By means of engaging, imaginative visuals and endearing narration, Schwartz manages the monumental task of presenting the complex concept of Big Numbers in fresh and relatable ways. The book begins with small, easily observable numbers before building up to truly gigantic ones, like a nonillion, a tredecillion, a googol, and even ones too huge for names! Any person, regardless of age, can benefit from reading this book. Readers will find themselves returning to its pages for a very long time, perpetually learning from and growing with the narrative as their knowledge deepens. *Really Big Numbers* is a wonderful enrichment for any math education program and is enthusiastically recommended to every teacher, parent and grandparent, student, child, or other individual interested in exploring the vast universe of numbers.

Spaghetti and Meatballs for All!

When he was born, Albert was a peculiar, fat baby with an unusually big and misshaped head. When he was older, he hit his sister, bothered his teachers, and didn't have many friends. But in the midst of all of this, Albert was fascinated with solving puzzles and fixing scientific problems. The ideas Albert Einstein came up with during his childhood as an odd boy out were destined to change the way we know and understand the world around us . . .

Living Proof

Learn about the early life of Abraham Lincoln in this picture book biography that Kirkus Reviews calls "a moving tribute to the power of books and words." In a tiny log cabin a boy listened with delight to the storytelling of his ma and pa. He traced letters in sand, snow, and dust. He borrowed books and walked miles to bring them back. When he grew up, he became the sixteenth president of the United States. His name was Abraham Lincoln. He loved books. They changed his life. He changed the world.

The Man who Loved Only Numbers

You are beautiful from the top of your head to the tip of your toes--but beauty is far more than something you can have. It's also something you have to find. In other people. In nature. In acts of kindness. In math, and art, and music, and sports. In this beautiful inspirational book for girls, author-illustrator Talitha Shipman turns the concept of beauty inside out, transforming girls into beauty-seeking adventurers charging out into the world with confidence and ambition to find beauty and make beauty wherever they go.

Celebrate Passover

The seating for a family reunion gets complicated as people rearrange the tables and chairs to seat additional guests.

One Morning in Maine

Invites readers to explore math history and concepts, covering different types of numbers, geometry, measurements, transformations, probabilities, and statistics.

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