
Math Girls

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Math Girls
Do Not Open This Math Book

Math Girls

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AHMED MALDONADO

The Girl with a Mind for Math Hachette Books

This fifth entry in the highly acclaimed Math Girls series focuses on the mathematics of Évariste Galois, the nineteenth-century wunderkind who revolutionized mathematics with work he performed while still a teenager. Mathematicians before him had discovered solutions to general second-, third-, and fourth-degree equations, but a similar "quintic formula" that would allow knowing the solutions to any fifth-degree equation had eluded mathematicians for centuries. Through his ingenious approach of bridging the worlds of groups and fields, young Galois not only showed that such a formula was impossible, he newly developed group theory and the branch of mathematics that today bears his name. Join Miruka and friends to see how Galois developed his theory, along with related topics such as geometric constructions and the angle trisection problem, derivation of the cubic formula, reducible and irreducible polynomials, group theory and field theory, symmetric polynomials, roots of unity, sets and cosets, cyclotomic polynomials, vector spaces, extension fields, and symmetric groups. The book concludes with a tour through Galois's first paper, in which he describes for the first time the necessary and sufficient conditions for a polynomial to be algebraically solved using radicals. Math Girls 5: Galois Theory has something for anyone interested in mathematics, from advanced high school to college students and educators.

Math Doesn't Suck Penguin

An engaging picture book biography of a groundbreaking female mathematician. Emmy Noether is not pretty, quiet or good at housework — all the things a girl of her time is expected to be. What she is, though, is brilliant at math. And when she grows up, she skirts the rules to first study math at a university and then teach it. She also helps to solve of the most pressing mathematical and physics problems of the day. And though she doesn't get much credit during her lifetime, her discoveries continue to influence how we understand the world today. One of the most influential mathematicians of the twentieth century

finally gets her due!

Math Smarts Scholastic Inc.

This "evocative and beautiful" (School Library Journal) novel "vividly imagines the lives of three girls" (Booklist, starred review) in three different time periods as they grow up to become groundbreaking scientists. Maria Merian was sure that caterpillars were not wicked things born from mud, as most people of her time believed. Through careful observation she discovered the truth about metamorphosis and documented her findings in gorgeous paintings of the life cycles of insects. More than a century later, Mary Anning helped her father collect stone sea creatures from the cliffs in southwest England. To him they were merely a source of income, but to Mary they held a stronger fascination. Intrepid and patient, she eventually discovered fossils that would change people's vision of the past. Across the ocean, Maria Mitchell helped her mapmaker father in the whaling village of Nantucket. At night they explored the starry sky through his telescope. Maria longed to discover a new comet—and after years of studying the night sky, she finally did. Told in vibrant, evocative poems, this stunning novel celebrates the joy of discovery and finding wonder in the world around us.

Everyone Can Learn Math Tundra Books

As any classroom teacher can tell you, there are discernible differences in the way girls and boys learn. This engaging, practical guide examines how girls' unique sensory, physical, cognitive, and emotional characteristics affect their performance in the classroom, and shows you how to adapt classroom experiences to assist girls' learning, particularly in math and science. Abigail Norfleet James provides research-based findings to build your understanding of how females learn differently, whether in coed or single-sex settings, and clarifies assumptions held by both teachers and students about themselves.

Grasping Mysteries HarperCollins

Describes the importance of mathematics in everyday life and offers advice on how to make learning math skills easier.

Math Girls Talk about Integers Kids Can Press Ltd

The Math Girls Manga is the comic adaptation of Hiroshi Yuki's bestselling novel of mathematical romance, available in English at

last! Combining mathematical rigor with light romance, Math Girls is a unique introduction to advanced mathematics that has something for everyone, from advanced high school students to math majors and educators.

Girls Get Curves Roaring Brook Press

This title has been removed from sale by Penguin Group, USA.

A Course in Complex Analysis SUNY Press

Learn about seven groundbreaking women in math and science in this gorgeously written biographical novel-in-verse, a companion to the "original and memorable" (Booklist, starred review) Finding Wonders: Three Girls Who Changed Science. After a childhood spent looking up at the stars, Caroline Herschel was the first woman to discover a comet and to earn a salary for scientific research. Florence Nightingale was a trailblazing nurse whose work reformed hospitals and one of the founders of the field of medical statistics. The first female electrical engineer, Hertha Marks Ayrton registered twenty-six patents for her inventions. Marie Tharp helped create the first map of the entire ocean floor, which helped scientists understand our subaquatic world and suggested how the continents shifted. A mathematical prodigy, Katherine Johnson calculated trajectories and launch windows for many NASA projects including the Apollo 11 mission. Edna Lee Paisano, a citizen of the Nez Perce Nation, was the first Native American to work full time for the Census Bureau, overseeing a large increase in American Indian and Alaskan Native representation. And Vera Rubin studied more than two hundred galaxies and found the first strong evidence for dark matter. Told in vibrant, evocative poems, this stunning novel celebrates seven remarkable women who used math as their key to explore the mysteries of the universe and grew up to do innovative work that changed the world.

The Boy Who Loved Math Crown Books for Young Readers

Explores a variety of fun and informative topics in trigonometry, from basics like defining the sine and cosine functions, to less frequently seen topics like Lissajous curves and different ways of deriving the value of pi. These topics are introduced through conversations between the characters from the Math Girls series, offering a fun way to learn this serious content. The third in a

series aimed at preparing students for advanced mathematics studies.

I'm Just Bad at Math! National Geographic Books

New York Times bestselling author Danica McKellar makes it a breeze to excel in high school geometry! Hollywood actress and math whiz Danica McKellar has completely shattered the “math nerd” stereotype. For years, she’s been showing girls how to feel confident and ace their math classes—with style! With *Girls Get Curves*, she applies her winning techniques to high school geometry, giving readers the tools they need to feel great and totally “get” everything from congruent triangles to theorems, and more. Inside you’ll find: • Time-saving tips and tricks for homework and tests • Illuminating practice problems (and proofs!) with detailed solutions • Totally relateable real-world examples • True stories from Danica’s own life as an actress and math student • A Troubleshooting Guide, for getting unstuck during even the trickiest proofs! With Danica as a coach, girls everywhere can stop hiding from their homework and watch their scores rise!

Let's Play Math Crown Books for Young Readers

Considers how our ideas about mathematics shape our individual and cultural relationship to the field. Where and how do we, as a culture, get our ideas about mathematics and about who can engage with mathematical knowledge? Sara N. Hottinger uses a cultural studies approach to address how our ideas about mathematics shape our individual and cultural relationship to the field. She considers four locations in which representations of mathematics contribute to our cultural understanding of mathematics: mathematics textbooks, the history of mathematics, portraits of mathematicians, and the field of ethnomathematics. Hottinger examines how these discourses shape mathematical subjectivity by limiting the way some groups—including women and people of color—are able to see themselves as practitioners of math. *Inventing the Mathematician* provides a blueprint for how to engage in a deconstructive project, revealing the limited and problematic nature of the normative construction of mathematical subjectivity.

Math Girls 3 Yearling

Whether you are stumped by the “commutative law” in algebra or a whiz at multiplying three-digit numbers in your head, this book opens the door to the wonders of mathematical imagining. By

using simple language and intriguing illustrations drawn by her husband, Hugh, Lillian Lieber presents subtle mathematical concepts in an easy-to-understand way. Over sixty years after its release, this whimsical exploration of how to think in a mathematical mood will continue to delight math-lovers of all ages. Barry Mazur's new introduction is a tribute to the Liebers' influence on generations of mathematicians.

Math Girls Talk About Trigonometry Tabletop Academy Press
This report aims to 'crack the code' by deciphering the factors that hinder and facilitate girls' and women's participation, achievement and continuation in science, technology, engineering and mathematics (STEM) education and, in particular, what the education sector can do to promote girls' and women's interest in and engagement with STEM education and ultimately STEM careers.

Math Girls 5 Bento Books Inc

From the author of *Math Girls* comes an exciting new series for learning and reviewing important skills for taking on advanced mathematics! This first volume, *Math Girls Talk About Equations and Graphs*, develops topics such as using variables in equations, polynomials, setting up systems of equations, proportions and inverse proportions, the relation between equations and their graphs, parabolas, intersections, and tangent lines. These topics are introduced through conversations between the characters from *Math Girls*, offering a fun way to learn this serious content. Each chapter comes with review problems and answers, and an appendix gives more challenging, open-ended problems for learners wanting to push the limits of their understanding. This book is most suited to middle- or high-school students who have learned basic algebra, or older readers who want to brush up on forgotten math skills. This series came about through requests from readers who enjoyed the excitement of learning aspects of the *Math Girls* series, but found themselves unprepared to keep up with the mathematical content. We hope that the books in this series will help young mathematicians firm up vital math skills that will allow them to excel in more advanced studies.

Inventing the Mathematician Penguin

Math Girls Talk About Integers introduces students to a variety of fun and informative topics in discrete math, including curious features of the prime numbers, tricks for checking for multiples of 3 and 9 (and why those tricks work!), using division remainders to

solve some unusual problems, and an in-depth look at proof by mathematical induction. These topics are introduced through conversations between the characters from *Math Girls*, offering a fun way to learn this serious content. Each chapter comes with review problems and answers, and an appendix gives more challenging, open-ended problems for readers wanting to push the limits of their understanding.

My Remarkable Journey MIT Press

The award-winning New York Times bestseller about the American women who secretly served as codebreakers during World War II—a “prodigiously researched and engrossing” (New York Times) book that “shines a light on a hidden chapter of American history” (Denver Post). Recruited by the U.S. Army and Navy from small towns and elite colleges, more than ten thousand women served as codebreakers during World War II. While their brothers and boyfriends took up arms, these women moved to Washington and learned the meticulous work of code-breaking. Their efforts shortened the war, saved countless lives, and gave them access to careers previously denied to them. A strict vow of secrecy nearly erased their efforts from history; now, through dazzling research and interviews with surviving code girls, bestselling author Liza Mundy brings to life this riveting and vital story of American courage, service, and scientific accomplishment.

Math Girls Talk About Equations & Graphs HarperCollins

A lightning strike gave her a super power...but even a super genius can't solve the problem of middle school. This smart and funny novel is perfect for fans of *The Fourteenth Goldfish*, *Rain Reign*, and *Counting by Sevens*. Lucy Callahan's life was changed forever when she was struck by lightning. She doesn't remember it, but the zap gave her genius-level math skills, and she's been homeschooled ever since. Now, at 12 years old, she's technically ready for college. She just has to pass 1 more test--middle school! Lucy's grandma insists: Go to middle school for 1 year. Make 1 friend. Join 1 activity. And read 1 book (that's not a math textbook!). Lucy's not sure what a girl who does calculus homework for fun can possibly learn in 7th grade. She has everything she needs at home, where nobody can make fun of her rigid routines or her superpowered brain. The equation of Lucy's life has already been solved. Unless there's been a miscalculation? A celebration of friendship, Stacy McNulty's smart and thoughtful middle-grade debut reminds us all to get

out of our comfort zones and embrace what makes us different. "Fresh story, great characters, a winner!" --Barbara O'Connor, author of *Wish*

Count on Me Math Girls

Learn at home with help from The Wonder Years/Hallmark actress, math whiz, and New York Times bestselling author Danica McKellar using her acclaimed McKellar Math books! Addition and subtraction are as easy as 1+2+3 with this fun and accessible introduction to the essentials of math. This funny and educational book will have readers embracing math instead of fearing it. Finally, a FUN book to read with kids that helps bridge the gap between what's being taught in school and how today's parents learned math back in the day. Giggle your way through entertaining lessons on addition and subtraction involving

muffins, turkey sandwiches, kittens, googly eyes, and more!

Danica McKellar uses her proven math techniques to give children the solid grasp of addition and subtraction that will be key to their success and unlock their potential in the classroom and beyond! You will WANT to open this math book!

Kiss My Math Penguin

Actress and New York Times bestselling author Danica McKellar tackles the most feared of all math classes—algebra—in this helpful algebra workbook that's perfect for high school math students. Algebra: The word alone has been known to strike fear in the hearts of even the best students, but help is here! With her two earlier books, *Math Doesn't Suck* and *Kiss My Math*, actress and math genius Danica McKellar shattered the "math nerd"

stereotype and empowered girls to conquer middle-school math and pre-algebra. Sizzling with McKellar's trademark sass and style, *Hot X: Algebra Exposed* shows high schoolers how to master algebra topics like square roots, polynomials, quadratic equations, word problems, and more. In addition to fun extras like personality quizzes, reader polls, and boy-crazy confessionals, *Hot X* includes: • Time-saving tips and tricks • Sample problems with detailed solutions • Relatable real-world examples

[Solving for M](#) FriesenPress

This fourth entry in the highly acclaimed Math Girls series focuses on the mathematics of computer science and analysis of algorithms. Aimed at anyone interested in mathematics and computer science, from advanced high school students to college students and educators.

Best Sellers - Books :

- [I Love You Like No Otter: A Funny And Sweet Board Book For Babies And Toddlers \(punderland\)](#)
- [Icebreaker: A Novel \(the Maple Hills Series\) By Hannah Grace](#)
- [Outlive: The Science And Art Of Longevity](#)
- [Hunting Adeline \(cat And Mouse Duet\) By H. D. Carlton](#)
- [Haunting Adeline \(cat And Mouse Duet\)](#)
- [A Court Of Mist And Fury \(a Court Of Thorns And Roses, 2\) By Sarah J. Maas](#)
- [The Boy, The Mole, The Fox And The Horse](#)
- [Guess How Much I Love You By Sam Mcbratney](#)
- [November 9: A Novel](#)
- [The Shadow Work Journal: A Guide To Integrate And Transcend Your Shadows](#)