

PETER M. HIGGINS

MATHEMATICS FOR THE CURIOUS



Mathematics For The Curious

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Mathematics For The Curious:

Mathematics for the Curious Peter M. Higgins, 1998-03-12 When do the hands of a clock coincide How likely is it that two children in the same class will share a birthday Should you play Roulette or the Lottery How do we calculate the volume of a doughnut Why does the android Data in Star Trek lose at poker What is Fibonacci's Rabbit Problem Many things in the world have a mathematical side to them as revealed by the puzzles and questions in this book It is written for anyone who is curious about mathematics and would like a simple and entertaining account of what it can do Peter Higgins provides clear explanations of the more mysterious features of childhood mathematics as well as novelties and connections to prove that mathematics can be enjoyable and full of surprises Mathematics for the Curious Peter M. Higgins, 2023 In a series of puzzles and mathematical curiosities the author introduces the reader to the entertaining side of mathematics to show what how enjoyable and surprising it can be Math for Curious Kids Lynn Huggins-Cooper, 2021-10-15 Discover the wonders of mathematics with this beautifully illustrated inspirational and accessible book This title is packed with clear colourful and engaging explanations of the world of maths including number theory times tables and geometry Big new concepts pop off the page thanks to vibrant diagrams and an engaging energetic prose style Kids will discover a new way of looking at the world with this wide ranging celebration of the subject of mathematics A great gift for readers aged 8 12 ABOUT THE SERIES The Curious Kids series draws together a collection of meticulously researched beautifully illustrated fact books that bring STEM subjects to life with a smart modern sensibility Science and Maths for Curious Kids Lynn Huggins-Cooper, Laura Baker, 2022-08 *Ontological Mathematics for the Curious* Dr. Cody Newman Newman (author), 1901 **A Brief History Of Mathematics For Curious Minds** Krzysztof R Apt, 2023-11-17 This book offers a short and accessible account of the history of mathematics written for the intelligent layman to gain a better appreciation of its beauty relevance and place in history It traces the development of the subject throughout the centuries starting with the so called Lebombo bone the oldest known mathematical object that was estimated to be at least 43 000 years old and ending with the 21st century The presentation is informal and no prior knowledge of mathematics is needed to enjoy the systematic chronological insights A collection of appendices is included for more technical material though still at the level of secondary school mathematics and is concerned with the historically important proofs and concepts that can be explained in a simple way Book of Curious and Interesting Puzzles David Wells, 2006 Of immense interest to those who enjoy recreational maths and puzzles even the most hardened puzzler will find something new Mathematical Gazette Puzzles are as old as history itself following an arc like that of technology centuries of slow progress followed by rapid expansion in the 1800s and an explosion of activity in the twentieth century This collection by bestselling author David Wells a Cambridge math scholar and teacher follows that pattern Its first part is devoted to puzzles from ancient Egypt and Babylon and subsequent sources featuring those devised by Lewis Carroll Eduard Lucas Sam Loyd and other master puzzlers of the Victorian era The second

part demonstrates the tremendous variety of twentieth century puzzles More than 560 puzzles are included from the mind sharpeners of a medieval monk to the eighteenth century Ladies Diary the Hindu Bhakshali manuscript and riddles and popular rhymes None requires any mathematics beyond the most elementary algebra and geometry and few require even that Complete answers appear at the end *Science and Math for Curious Kids* Lynn Huggins-Cooper, Laura Baker, 2023-03 Uses a clear mix of pictures diagrams and instructions that help to build knowledge boost confidence and gain understanding Children will explore the history of math and physics and understand how the world works *Supplemental Mathematics for the Curious* Bryan Dawson, 2009 *Teaching Mathematics through Problem-Solving in K-12 Classrooms* Matthew Oldridge, 2018-10-31 Teaching through problem solving is a commonly used phrase for mathematics educators This book shows how to use worthwhile and interesting mathematics tasks and problems to build a classroom culture based on students reasoning and thinking It develops a set of axioms about problem solving classrooms to show teachers that mathematics is playful and engaging It presents an aspirational vision for school mathematics one which all teachers can bring into being in their classrooms

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Table of Contents Mathematics For The Curious

1. Understanding the eBook Mathematics For The Curious
 - The Rise of Digital Reading Mathematics For The Curious
 - Advantages of eBooks Over Traditional Books
2. Identifying Mathematics For The Curious
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Mathematics For The Curious
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mathematics For The Curious
 - Personalized Recommendations
 - Mathematics For The Curious User Reviews and Ratings
 - Mathematics For The Curious and Bestseller Lists
5. Accessing Mathematics For The Curious Free and Paid eBooks
 - Mathematics For The Curious Public Domain eBooks
 - Mathematics For The Curious eBook Subscription Services

- Mathematics For The Curious Budget-Friendly Options
- 6. Navigating Mathematics For The Curious eBook Formats
 - ePub, PDF, MOBI, and More
 - Mathematics For The Curious Compatibility with Devices
 - Mathematics For The Curious Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mathematics For The Curious
 - Highlighting and Note-Taking Mathematics For The Curious
 - Interactive Elements Mathematics For The Curious
- 8. Staying Engaged with Mathematics For The Curious
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mathematics For The Curious
- 9. Balancing eBooks and Physical Books Mathematics For The Curious
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mathematics For The Curious
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Mathematics For The Curious
 - Setting Reading Goals Mathematics For The Curious
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Mathematics For The Curious
 - Fact-Checking eBook Content of Mathematics For The Curious
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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