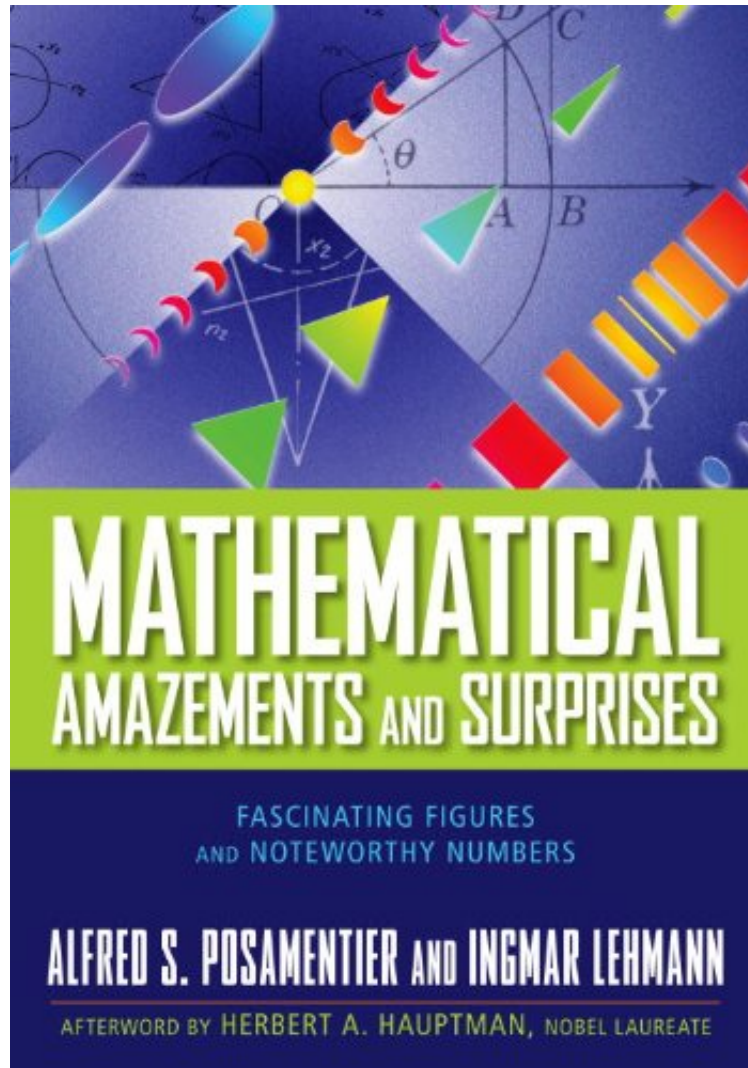


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Mathematical Amazements and Surprises: Fascinating Figures and Noteworthy Numbers

Alfred S. Posamentier, Ingmar Lehmann
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#1632207 in Books 2009-07-30 2009-06-23 Original language: English PDF # 1 9.98 x .57 x 7.00l, 1.07 #File Name: 1591027233269 pages | File size: 24.Mb

Alfred S. Posamentier, Ingmar Lehmann : Mathematical Amazements and Surprises: Fascinating Figures and Noteworthy Numbers before purchasing it in order to gage whether or not it would be worth my time, and all praised Mathematical Amazements and Surprises: Fascinating Figures and Noteworthy Numbers:

18 of 22 people found the following review helpful. Amazing - SurprisingBy Claudia Etheridge"Philosophy is written in this greatest book constantly open before our eyes..... It is written in the language of mathematics and the characters are triangles, circles and other geometric figures....." wrote Galileo. With "Mathematical Amazements and Surprises" (their latest work), the authors may not decipher such language for the reader, nor translate it into

English, but they certainly prove that the language of mathematics does exist. The book consists of 5 chapters which are titled: "Number Properties and Relationships", "Arithmetic Entertainments and Novelties", "Arithmetic Loops", "Geometry Surprises" and "Mathematical Nuggets: Amazing, but True!". The chapters are followed by an afterword by Nobel Laureate H.A. Hauptman. It also includes an appendix that lists "Triangular, Square and Cubic Numbers". Particularly interesting to me was the chapter on arithmetic loops. By following certain paths and by making the necessary calculations, we end up into loops the validity of which the most skeptical mind will not be able to deny. Anybody who believes that there is more to our universe than what the five senses (or even the average mind) can recognize, will enjoy the subjects discussed. A beautiful piece of work. It is not often that a book delivers so convincingly the promise in the title. For the nit-picking, this is another book by Alfred S. Posamentier and Ingmar Lehmann, authors of "The (Fabulous) Fibonacci Numbers". Such book was criticized by some of the .com reviewers for containing inaccuracies. I do not know if this one also does, as I am not a mathematician and did not linger on the detail. But, whether or not there are inaccuracies here as well, the message is what matters most, just like it was the case for the previous work. Such message is conveyed in as clear a manner as can be done. 10 of 12 people found the following review helpful. A Wonderfully Amazing Fascinating Study By Larry Underwood Authors Posamentier Lehmann have compiled an entertaining engaging book sure to amaze anyone about the crazy nuances in the study of mathematics. Even if math isn't your strong suit, you'll enjoy this wonderful guide; in fact, it's probably more enjoyable for the mathematically challenged individual (such as me), because it demonstrates how fun numbers can be, if we just give them the chance. I loved it. For anyone looking to expand their knowledge on the often perplexing world of mathematics, pick up this gem; you'll feel much more comfortable with a once intimidating subject, and realize that it's not all that hard to have fun with those mind boggling numerical equations. 5 of 6 people found the following review helpful. Delightful and stimulating By Midwest Book Review Any library strong in math and science will find Mathematical Amazements and Surprises: Fascinating Figures and Noteworthy Numbers delightful and stimulating. It provides fun math insights, highlighting the beauty and significance of numbers, and offering both novices and professionals arithmetic entertainment at its best. Many a high school to college-level library will find a winner here - but general-interest lending libraries will also find it a fun, different pick.

If you've been waiting for a book that will evoke the delight and intrigue that mathematics has to offer, this is the book for you. What are the odds of finding two people who share the same birth date in a room of thirty-five? Most people would guess they're pretty low. In actuality, the probability is better than 80 percent. This is just one of many entertaining examples of mathematical curiosities presented. Two veteran math educators have created the perfect introduction to the wonders of mathematics for the general reader, requiring only a high school background in the subject. Among the entertaining and useful tricks they teach are shortcuts in arithmetic, such as ways to determine at a glance the exact divisors of any given number. They also demonstrate how the properties of certain numbers can lead to infinite loops. What is particularly exciting is how many correct answers turn out to be counterintuitive. Exploring all these features will instill insights into the nature of numbers, improve your ability to manipulate them, and give you an appreciation for the inherent elegance of mathematics. As you marvel at the many unusual relationships and novelties revealed in this ingenious and delightful presentation, you'll be learning more math than you ever thought possible - and will be relishing every moment of it!

"This book's strength is that it is exactly what it purports to be—a casual stroll through sometimes complicated mathematical relationships without the heavy lifting of having to understand unfamiliar mathematical notations or ideas. . . . This book is a nice little treasure that a teacher could use to introduce a lesson on currency, recursion, or many other varied mathematical topics. The best thing it does is invoke feelings of wonderment." - Mathematics Teacher "Recommended." - Choice About the Author Alfred S. Posamentier is dean of the School of Education and professor of mathematics education at Mercy College in Dobbs Ferry, New York. Previously, he had the same positions at the City College of the City University of New York for forty years. He has published over fifty-five books in the area of mathematics and mathematics education, including The Fabulous Fibonacci Numbers (with Ingmar Lehmann). Ingmar Lehmann is retired from the mathematics faculty at Humboldt University in Berlin. For many years he led the Berlin Mathematics Student Society for gifted secondary-school students, with which he is still closely engaged today. He is the coauthor with Alfred S. Posamentier of The Secrets of Triangles, The Glorious Golden Ratio, and three other books.