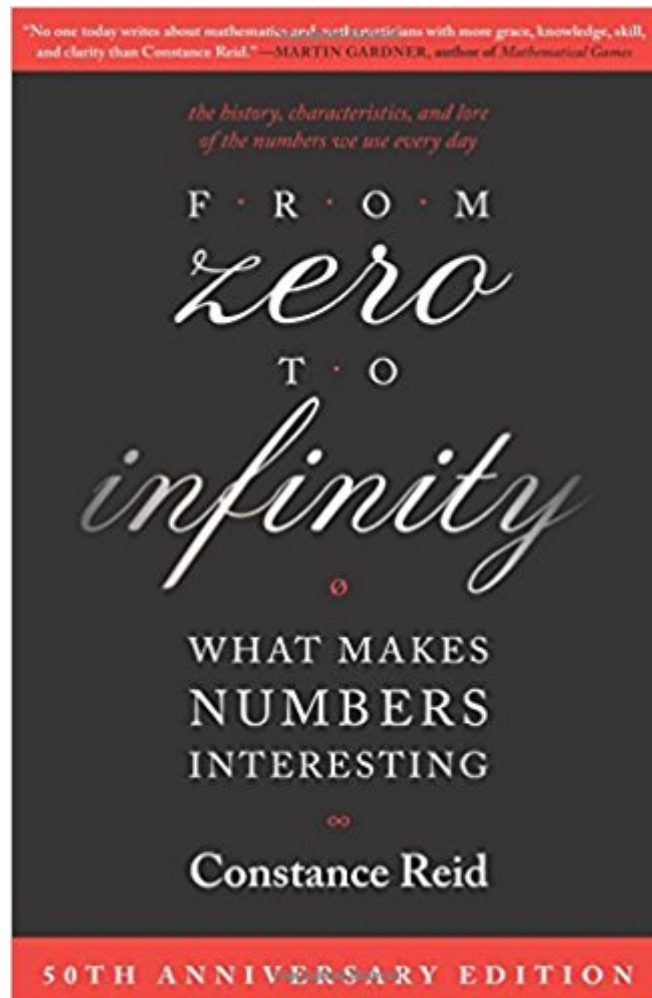The book was found

From Zero To Infinity: What Makes Numbers Interesting

Synopsis

From Zero to Infinity is a combination of number lore, number history, and sparkling descriptions of the simply stated but exceedingly difficult problems posed by the most ordinary numbers that first appeared in 1955 and has been kept in print continuously ever since. With the fifth edition this classic has been updated to report on advances in number theory over the last 50 years, including the proof of Fermat's Last Theorem. Deceptively simple in style and structure, it is a book to which the reader will return again and again, gaining greater understanding and satisfaction with each reading.

Book Information

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Customer Reviews

"I (an undergraduate comp sci major) personally enjoyed this book. The author clearly has a love of numbers that can prove infectious. â|the proofs given are all clear and easy to understand."â •SIGACT News, 2014 "Upon reading this edition anew, I was struck by its superb mathematical taste. I knew I was meant to spend my life loving numbers and working with them; From Zero to Infinity crucially told me that there was a large community of People of Number I could hope to join when I grew up. â|As I got older, I continued to read From Zero to Infinity and the other influential math books I knew â|I was truly fortunate to have run across From Zero to Infinity when I did."â •Bruce Reznick, Notices of the AMS, February 2007 "This book should be in the library of every mathematics teacher, and university faculty who prepare students to teach mathematics should also own this book."â •Murray H. Siegel, Mathematics Teaching in the Middle School,

February 2007 "â | a sequence of rare beauty, a drama built out of nothing but numbersâ •and imagination."â •Freeman Dyson, Institute for Advanced Study, Princeton "â | singular for its insight into the imagination, relevance, and sheer excitement of mathematics."â •Kirkus Bulletin, November 2005

Although not trained as a mathematician, Constance Reid is well known for her books on mathematicians and mathematics. Following the success of From Zero to Infinity, her first book, Reid went on to write: A Long Way from Euclid; Hilbert; Courant in Gottingen and New York; Neyman; The Search for E.T. Bell; Julia - a Life in Mathematics, among others.

Constance Reid is one of those authors where I ended up buying everything she wrote. If you are advanced in mathematics she might be a tad elementary; but if you are an imbecile when it comes to mathematics as I am, you may find her interesting. It is number theory; however Reid's relationship with the little fellows seems to be more personal, more introspective than many number theorists.

Required book for school.

Hooray always for Constance Reid.

great read

For those of us who have passed out of our secondary schools & liked Mathematics - though our yearly transcripts told a different story - this book is a wonderful walk down the memory lane. Without the fear of our scores in Mathematics being a reflection of our worth, number theory is not just interesting - as in a intellectual domain - but also awe inspiring - as in the philosophical domain around what these numbers are telling us by exhibiting all these relationships.We have gotten more & more efficient at telling if a number is prime, & yet we have no method of generating one. We know the each number can be squared, & both the count of numbers & the corresponding count of their squares are infinite, yet the constructs of equality, congruence & basic mathematical operations are baffling when applied to infinity. In chapters dwelling from 0 to 9 & then going onto 'e' & 'aleph zero' - or infinity of first order cardinality - Reid brings alive the 'easiest to understand intuitively but very difficult to prove Mathematically' relationships, theorems & properties of the entire

number system. To be fair, some of it was a little terse & made my head spin & imagination boggle, in Bertie Wooster's words, - but that could just be me - & some of it, was plain riveting.Most of the chapters, contrary to my initial expectation, were actually about wider concepts than just the numbers themselves. For example, 2 was about the binary number system, 3 about the primes, 4 about squares, 6 about perfect numbers & 8 about cubes. With7, I was plainly baffled, & I have no recall of what that was about - perhaps primes of a different type or something. The chapter on 'aleph-zero' would take me a few rebirths, per the Hindu system, to comprehend.On an idle Saturday, if you want to revisit what Maths at school was like - read this book. It'll bring joy or make you feel like an worthless nincompoop. I do not know any Maths to tell you which one of the two is more likely - & yes, I have heard of statistical probability & measures of confidence & all that. :)@souvikstweets

Clean copy. Got it in two days!

I found this book very pleasant to read; the practice questions at the end of each chapter are very interesting and encourages deep thoughts and further reading. However, the book contains quite a few errors, mostly typos , and I found the logic of particular chapters difficult to follow (for example, the narration jumps from one topic to another with only loose connection, as if it was merely for bringing up the unrelated but important topic). Overall I feel this book is entertaining to read, but contains errors that need to be fixed.

From Zero to Infinity: What Makes Numbers Interesting The Book of Numbers: From Zero to Infinity, an Entertaining List of Every Number that Counts A World of Three Zeros: The New Economics of Zero Poverty, Zero Unemployment, and Zero Net Carbon Emissions Infinity Lost (The Infinity Trilogy Book 1) Infinity Rises (The Infinity Trilogy Book 2) Infinity Reborn (The Infinity Trilogy Book 3) Things to Make and Do in the Fourth Dimension: A Mathematician's Journey Through Narcissistic Numbers, Optimal Dating Algorithms, at Least Two Kinds of Infinity, and More Negative Calorie Diet:Calorie Zero to Size Zero!: (Negative Calorie,Negative Calorie Diet,The Negative Calorie Diet,Negative Calorie Foods,Negative Calorie ... in a week,the negative calorie diet book) Re:ZERO, Vol. 3 - light novel (Re:ZERO -Starting Life in Another World-) Re:ZERO, Vol. 1 - manga: -Starting Life in Another World- (Re:ZERO -Starting Life in Another World-, Chapter 1: A Day in the Capital Manga) Re:ZERO -Starting Life in Another World-, Chapter 2: A Week at the Mansion, Vol. 2 (manga) (Re:ZERO -Starting Life in Another World-, Chapter 2: A Week at the Mansion Manga)

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