



Mathematics: From the Birth of Numbers

By Jan Gullberg

Download now

Read Online →

Mathematics: From the Birth of Numbers By Jan Gullberg

A gently guided, profusely illustrated Grand Tour of the world of mathematics.

This extraordinary work takes the reader on a long and fascinating journey--from the dual invention of numbers and language, through the major realms of arithmetic, algebra, geometry, trigonometry, and calculus, to the final destination of differential equations, with excursions into mathematical logic, set theory, topology, fractals, probability, and assorted other mathematical byways. The book is unique among popular books on mathematics in combining an engaging, easy-to-read history of the subject with a comprehensive mathematical survey text. Intended, in the author's words, "for the benefit of those who never studied the subject, those who think they have forgotten what they once learned, or those with a sincere desire for more knowledge," it links mathematics to the humanities, linguistics, the natural sciences, and technology.

Contains more than 1000 original technical illustrations, a multitude of reproductions from mathematical classics and other relevant works, and a generous sprinkling of humorous asides, ranging from limericks and tall stories to cartoons and decorative drawings. Over 1000 technical illustrations and cartoons and drawings

↓ [Download Mathematics: From the Birth of Numbers ...pdf](#)

📄 [Read Online Mathematics: From the Birth of Numbers ...pdf](#)

Mathematics: From the Birth of Numbers

By Jan Gullberg

Mathematics: From the Birth of Numbers By Jan Gullberg

A gently guided, profusely illustrated Grand Tour of the world of mathematics.

This extraordinary work takes the reader on a long and fascinating journey--from the dual invention of numbers and language, through the major realms of arithmetic, algebra, geometry, trigonometry, and calculus, to the final destination of differential equations, with excursions into mathematical logic, set theory, topology, fractals, probability, and assorted other mathematical byways. The book is unique among popular books on mathematics in combining an engaging, easy-to-read history of the subject with a comprehensive mathematical survey text. Intended, in the author's words, "for the benefit of those who never studied the subject, those who think they have forgotten what they once learned, or those with a sincere desire for more knowledge," it links mathematics to the humanities, linguistics, the natural sciences, and technology.

Contains more than 1000 original technical illustrations, a multitude of reproductions from mathematical classics and other relevant works, and a generous sprinkling of humorous asides, ranging from limericks and tall stories to cartoons and decorative drawings. Over 1000 technical illustrations and cartoons and drawings

Mathematics: From the Birth of Numbers By Jan Gullberg **Bibliography**

- Sales Rank: #52013 in Books
- Brand: Unknown
- Published on: 1997
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 10.30" h x 2.20" w x 7.50" l, 4.67 pounds
- Binding: Paperback
- 1128 pages

 [Download Mathematics: From the Birth of Numbers ...pdf](#)

 [Read Online Mathematics: From the Birth of Numbers ...pdf](#)

Editorial Review

Amazon.com Review

What does *mathematics* mean? Is it numbers or arithmetic, proofs or equations? Jan Gullberg starts his massive historical overview with some insight into why human beings find it necessary to "reckon," or count, and what math means to us. From there to the last chapter, on differential equations, is a very long, but surprisingly engrossing journey. *Mathematics* covers how symbolic logic fits into cultures around the world, and gives fascinating biographical tidbits on mathematicians from Archimedes to Wiles. It's a *big* book, copiously illustrated with goofy little line drawings and cartoon reprints. But the real appeal (at least for math buffs) lies in the scads of problems--with solutions--illustrating the concepts. It really invites readers to sit down with a cup of tea, pencil and paper, and (ahem) a calculator and start solving. Remember the first time you "got it" in math class? With *Mathematics* you can recapture that bliss, and maybe learn something new, too. Everyone from schoolkids to professors (and maybe even die-hard mathphobes) can find something useful, informative, or entertaining here. --*Therese Littleton*

From Scientific American

The book is an enthusiastic and utterly amazing popularization that promises to be in print for decades.... It is an important reference and a book that is plain fun to dip into. If a family is to have only one mathematics book on the reference shelf, then this is the one.

From [Booklist](#)

A long book on mathematics? No need to brace yourself for tedium. Whether counting on an abacus or solving triple integrals, Gullberg explains his subject with an infectious zeal--and an unpredictable sense of humor. The basic formulas are all here, making this an ideal reference for readers who cannot quite remember what they once learned about trigonometric functions or vector algebra. But beware! Those looking for quick help with a problem may find themselves diverted for many hours by the wealth of historical anecdotes, literary quotations, artwork, light verse, and even cartoons sprinkled liberally through the pages. Perhaps because he is himself a well-practiced amateur in the field rather than a professional, Gullberg anticipates perfectly the perplexities of the average reader. Simplified derivations and numerous examples will clear up most of the hard points. But the point Gullberg makes clearest of all is that mathematics can be very exciting and thoroughly enjoyable. *Bryce Christensen*

Users Review

From reader reviews:

Sandra Phillips:

Why don't make it to be your habit? Right now, try to ready your time to do the important behave, like looking for your favorite publication and reading a book. Beside you can solve your trouble; you can add your knowledge by the publication entitled Mathematics: From the Birth of Numbers. Try to the actual book Mathematics: From the Birth of Numbers as your good friend. It means that it can being your friend when you truly feel alone and beside that of course make you smarter than before. Yeah, it is very fortunated for yourself. The book makes you far more confidence because you can know every thing by the book. So , let me make new experience and knowledge with this book.

Harry Greene:

Nowadays reading books become more and more than want or need but also be a life style. This reading behavior give you lot of advantages. The huge benefits you got of course the knowledge your information inside the book that will improve your knowledge and information. The data you get based on what kind of reserve you read, if you want send more knowledge just go with education and learning books but if you want truly feel happy read one having theme for entertaining for example comic or novel. Typically the Mathematics: From the Birth of Numbers is kind of reserve which is giving the reader unstable experience.

Arlene Wilson:

Reading a book to be new life style in this season; every people loves to learn a book. When you go through a book you can get a large amount of benefit. When you read books, you can improve your knowledge, mainly because book has a lot of information upon it. The information that you will get depend on what kinds of book that you have read. If you would like get information about your review, you can read education books, but if you act like you want to entertain yourself look for a fiction books, this sort of us novel, comics, along with soon. The Mathematics: From the Birth of Numbers will give you a new experience in reading through a book.

Christopher Hickman:

A lot of reserve has printed but it is different. You can get it by online on social media. You can choose the most beneficial book for you, science, amusing, novel, or whatever simply by searching from it. It is named of book Mathematics: From the Birth of Numbers. You'll be able to your knowledge by it. Without leaving the printed book, it could add your knowledge and make anyone happier to read. It is most crucial that, you must aware about reserve. It can bring you from one location to other place.

Download and Read Online Mathematics: From the Birth of Numbers By Jan Gullberg #EITB4N9KS67

Read Mathematics: From the Birth of Numbers By Jan Gullberg for online ebook

Mathematics: From the Birth of Numbers By Jan Gullberg Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mathematics: From the Birth of Numbers By Jan Gullberg books to read online.

Online Mathematics: From the Birth of Numbers By Jan Gullberg ebook PDF download

Mathematics: From the Birth of Numbers By Jan Gullberg Doc

Mathematics: From the Birth of Numbers By Jan Gullberg Mobipocket

Mathematics: From the Birth of Numbers By Jan Gullberg EPub

EITB4N9KS67: Mathematics: From the Birth of Numbers By Jan Gullberg