

What Is Mathematics? An Elementary Approach to Ideas and Methods

Richard Courant, Herbert Robbins



<u>Click here</u> if your download doesn"t start automatically

What Is Mathematics? An Elementary Approach to Ideas and Methods

Richard Courant, Herbert Robbins

What Is Mathematics? An Elementary Approach to Ideas and Methods Richard Courant, Herbert Robbins

For more than two thousand years a familiarity with mathematics has been regarded as an indispensable part of the intellectual equipment of every cultured person. Today, unfortunately, the traditional place of mathematics in education is in grave danger. The teaching and learning of mathematics has degenerated into the realm of rote memorization, the outcome of which leads to satisfactory formal ability but does not lead to real understanding or to greater intellectual independence. This new edition of Richard Courant's and Herbert Robbins's classic work seeks to address this problem. Its goal is to put the *meaning* back into mathematics.

Written for beginners and scholars, for students and teachers, for philosophers and engineers, *What is Mathematics?, Second Edition* is a sparkling collection of mathematical gems that offers an entertaining and accessible portrait of the mathematical world. Covering everything from natural numbers and the number system to geometrical constructions and projective geometry, from topology and calculus to matters of principle and the Continuum Hypothesis, this fascinating survey allows readers to delve into mathematics as an organic whole rather than an empty drill in problem solving. With chapters largely independent of one another and sections that lead upward from basic to more advanced discussions, readers can easily pick and choose areas of particular interest without impairing their understanding of subsequent parts.

Brought up to date with a new chapter by Ian Stewart, *What is Mathematics?, Second Edition* offers new insights into recent mathematical developments and describes proofs of the Four-Color Theorem and Fermat's Last Theorem, problems that were still open when Courant and Robbins wrote this masterpiece, but ones that have since been solved.

Formal mathematics is like spelling and grammar--a matter of the correct application of local rules. Meaningful mathematics is like journalism--it tells an interesting story. But unlike some journalism, the story has to be true. The best mathematics is like literature--it brings a story to life before your eyes and involves you in it, intellectually and emotionally. *What is Mathematics* is like a fine piece of literature--it opens a window onto the world of mathematics for anyone interested to view.

<u>Download</u> What Is Mathematics? An Elementary Approach to Ide ...pdf

Read Online What Is Mathematics? An Elementary Approach to I ...pdf

Download and Read Free Online What Is Mathematics? An Elementary Approach to Ideas and Methods Richard Courant, Herbert Robbins

From reader reviews:

Daniel Reynolds:

Book is written, printed, or descriptive for everything. You can learn everything you want by a e-book. Book has a different type. As you may know that book is important factor to bring us around the world. Alongside that you can your reading talent was fluently. A book What Is Mathematics? An Elementary Approach to Ideas and Methods will make you to end up being smarter. You can feel far more confidence if you can know about everything. But some of you think that will open or reading any book make you bored. It's not make you fun. Why they may be thought like that? Have you searching for best book or acceptable book with you?

Kim Romero:

This What Is Mathematics? An Elementary Approach to Ideas and Methods book is just not ordinary book, you have after that it the world is in your hands. The benefit you obtain by reading this book is information inside this book incredible fresh, you will get info which is getting deeper anyone read a lot of information you will get. This What Is Mathematics? An Elementary Approach to Ideas and Methods without we understand teach the one who looking at it become critical in imagining and analyzing. Don't become worry What Is Mathematics? An Elementary Approach to Ideas and Methods can bring if you are and not make your case space or bookshelves' turn into full because you can have it inside your lovely laptop even cellphone. This What Is Mathematics? An Elementary Approach to Ideas and Methods having excellent arrangement in word along with layout, so you will not truly feel uninterested in reading.

Casey Reeves:

Nowadays reading books be a little more than want or need but also become a life style. This reading habit give you lot of advantages. Advantages you got of course the knowledge the actual information inside the book that improve your knowledge and information. The data you get based on what kind of book you read, if you want send more knowledge just go with training books but if you want sense happy read one along with theme for entertaining including comic or novel. Typically the What Is Mathematics? An Elementary Approach to Ideas and Methods is kind of guide which is giving the reader capricious experience.

Jackie Frost:

The book What Is Mathematics? An Elementary Approach to Ideas and Methods will bring that you the new experience of reading some sort of book. The author style to spell out the idea is very unique. If you try to find new book to study, this book very suitable to you. The book What Is Mathematics? An Elementary Approach to Ideas and Methods is much recommended to you you just read. You can also get the e-book from the official web site, so you can more easily to read the book.

Download and Read Online What Is Mathematics? An Elementary Approach to Ideas and Methods Richard Courant, Herbert Robbins #P06Z2JLFNB3

Read What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins for online ebook

What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins 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 What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins books to read online.

Online What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins ebook PDF download

What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins Doc

What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins Mobipocket

What Is Mathematics? An Elementary Approach to Ideas and Methods by Richard Courant, Herbert Robbins EPub