100 Great Problems of Elementary Mathematics (Dover Books on Mathematics)

Heinrich Dorrie

[Click here](#) if your download doesn"t start automatically

100 Great Problems of Elementary Mathematics (Dover Books on Mathematics)

Heinrich Dorrie

100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) Heinrich Dorrie "The collection, drawn from arithmetic, algebra, pure and algebraic geometry and astronomy, is extraordinarily interesting and attractive." — *Mathematical Gazette*

This uncommonly interesting volume covers 100 of the most famous historical problems of elementary mathematics. Not only does the book bear witness to the extraordinary ingenuity of some of the greatest mathematical minds of history — Archimedes, Isaac Newton, Leonhard Euler, Augustin Cauchy, Pierre Fermat, Carl Friedrich Gauss, Gaspard Monge, Jakob Steiner, and many others — but it provides rare insight and inspiration to any reader, from high school math student to professional mathematician. This is indeed an unusual and uniquely valuable book.

The one hundred problems are presented in six categories: 26 arithmetical problems, 15 planimetric problems, 25 classic problems concerning conic sections and cycloids, 10 stereometric problems, 12 nautical and astronomical problems, and 12 maxima and minima problems. In addition to defining the problems and giving full solutions and proofs, the author recounts their origins and history and discusses personalities associated with them. Often he gives not the original solution, but one or two simpler or more interesting demonstrations. In only two or three instances does the solution assume anything more than a knowledge of theorems of elementary mathematics; hence, this is a book with an extremely wide appeal.

Some of the most celebrated and intriguing items are: Archimedes' "Problema Bovinum," Euler's problem of polygon division, Omar Khayyam's binomial expansion, the Euler number, Newton's exponential series, the sine and cosine series, Mercator's logarithmic series, the Fermat-Euler prime number theorem, the Feuerbach circle, the tangency problem of Apollonius, Archimedes' determination of pi, Pascal's hexagon theorem, Desargues' involution theorem, the five regular solids, the Mercator projection, the Kepler equation, determination of the position of a ship at sea, Lambert's comet problem, and Steiner's ellipse, circle, and sphere problems.

This translation, prepared especially for Dover by David Antin, brings Dörrie's "Triumph der Mathematik" to the English-language audience for the first time.

Download and Read Free Online 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) Heinrich Dorrie

---

From reader reviews:

Carol McElroy:

As people who live in the actual modest era should be update about what going on or details even knowledge to make all of them keep up with the era that is always change and move ahead. Some of you maybe can update themselves by studying books. It is a good choice for you but the problems coming to a person is you don't know what kind you should start with. This 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) is our recommendation so you keep up with the world. Why, because book serves what you want and want in this era.

Margaret Burman:

Precisely why? Because this 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) is an unordinary book that the inside of the book waiting for you to snap it but latter it will zap you with the secret it inside. Reading this book alongside it was fantastic author who else write the book in such incredible way makes the content on the inside easier to understand, entertaining technique but still convey the meaning thoroughly. So , it is good for you for not hesitating having this any more or you going to regret it. This unique book will give you a lot of rewards than the other book have got such as help improving your proficiency and your critical thinking means. So , still want to hold up having that book? If I had been you I will go to the publication store hurriedly.

Carol Hamilton:

Reading a book for being new life style in this year; every people loves to learn a book. When you go through a book you can get a lots of benefit. When you read textbooks, you can improve your knowledge, simply because book has a lot of information onto it. The information that you will get depend on what forms of book that you have read. If you wish to get information about your research, you can read education books, but if you want to entertain yourself read a fiction books, such us novel, comics, as well as soon. The 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) provide you with a new experience in studying a book.

Elizabeth Cornelius:

Is it you actually who having spare time then spend it whole day through watching television programs or just lying on the bed? Do you need something totally new? This 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) can be the answer, oh how comes? It's a book you know. You are so out of date, spending your extra time by reading in this brand-new era is common not a geek activity. So what these guides have than the others?

Download and Read Online 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) Heinrich Dorrie #IUD865YXGFS

Read 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie for online ebook

100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie 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 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie books to read online.

Online 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie ebook PDF download

100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie Doc

100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie Mobipocket

100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) by Heinrich Dorrie EPub