



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

Heinrich Dörrie

Download now

[Click here](#) if your download doesn't start automatically

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

Heinrich Dörrie

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

"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 100 Great Problems of Elementary Mathematics \(Dove ...pdf](#)

 [Read Online 100 Great Problems of Elementary Mathematics \(Do ...pdf](#)

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

From reader reviews:

Joseph Wilson:

What do you with regards to book? It is not important with you? Or just adding material when you need something to explain what your own problem? How about your spare time? Or are you busy man or woman? If you don't have spare time to complete others business, it is give you a sense of feeling bored faster. And you have time? What did you do? Everyone has many questions above. They must answer that question simply because just their can do in which. It said that about guide. Book is familiar on every person. Yes, it is suitable. Because start from on guardería until university need that 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) to read.

Andre Botsford:

Spent a free the perfect time to be fun activity to try and do! A lot of people spent their free time with their family, or their particular friends. Usually they undertaking activity like watching television, planning to beach, or picnic inside the park. They actually doing same every week. Do you feel it? Do you need to something different to fill your personal free time/ holiday? Could be reading a book is usually option to fill your cost-free time/ holiday. The first thing you will ask may be what kinds of book that you should read. If you want to try look for book, may be the publication untitled 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) can be fine book to read. May be it is usually best activity to you.

Donald Sams:

Reading can called imagination hangout, why? Because while you are reading a book specifically book entitled 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) the mind will drift away trough every dimension, wandering in every aspect that maybe unidentified for but surely can be your mind friends. Imaging just about every word written in a publication then become one type conclusion and explanation that will maybe you never get just before. The 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) giving you yet another experience more than blown away your brain but also giving you useful data for your better life on this era. So now let us explain to you the relaxing pattern here is your body and mind are going to be pleased when you are finished examining it, like winning a game. Do you want to try this extraordinary investing spare time activity?

Bruce Mull:

Your reading sixth sense will not betray anyone, why because this 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) publication written by well-known writer we are excited for well how to make book which can be understand by anyone who read the book. Written throughout good manner for you, dripping every ideas and creating skill only for eliminate your current hunger then you still hesitation 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) as good book not

merely by the cover but also with the content. This is one reserve that can break don't evaluate book by its handle, so do you still needing one more sixth sense to pick this particular!?! Oh come on your looking at sixth sense already alerted you so why you have to listening to an additional sixth sense.

**Download and Read Online 100 Great Problems of Elementary Mathematics (Dover Books on Mathematics) Heinrich Dörrie
#8XZR5Y0D7UO**

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

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

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

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

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

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