



DOWNLOAD



## Number Systems and the Foundations of Analysis

---

By Mathematics

Dover Publications. Paperback. Book Condition: New. Paperback. 358 pages. Dimensions: 8.4in. x 5.3in. x 0.9in. This study of basic number systems explores natural numbers, integers, rational numbers, real numbers, and complex numbers. Written by a noted expert on logic and set theory, it assumes no background in abstract mathematical thought. Undergraduates and beginning graduate students will find this treatment an ideal introduction to number systems, particularly in terms of its detailed proofs. Starting with the basic facts and notions of logic and set theory, the text offers an axiomatic presentation of the simplest structure, the system of natural numbers. It proceeds, by set-theoretic methods, to an examination of integers that covers rings and integral domains, ordered integral domains, and natural numbers and integers of an integral domain. A look at rational numbers and ordered fields follows, along with a survey of the real number system that includes considerations of least upper bounds and greatest lower bounds, convergent and Cauchy sequences, and elementary topology. Numerous exercises and several helpful appendixes supplement the text. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



READ ONLINE  
[ 8.43 MB ]

### Reviews

*It is one of the best publications. It is among the most remarkable publications I have read through. Your lifestyle period will be changed once you complete reading this article publication.*

-- **Crystal Rolfson**

*It is one of the best ebooks. Yes, it is actually engaging, still an interesting and amazing literature. It has been developed in an exceedingly straightforward way in fact it is just following I finished reading through this book by which basically modified me, altered the way I really believe.*

-- **Mr. Maynard Kessler PhD**