

Fundamentals of Number Theory (Dover Books on Mathematics)

By William J. LeVeque

Download now

Read Online 

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque

This excellent textbook introduces the basics of number theory, incorporating the language of abstract algebra. A knowledge of such algebraic concepts as group, ring, field, and domain is not assumed, however; all terms are defined and examples are given — making the book self-contained in this respect.

The author begins with an introductory chapter on number theory and its early history. Subsequent chapters deal with unique factorization and the GCD, quadratic residues, number-theoretic functions and the distribution of primes, sums of squares, quadratic equations and quadratic fields, diophantine approximation, and more. Included are discussions of topics not always found in introductory texts: factorization and primality of large integers, p -adic numbers, algebraic number fields, Brun's theorem on twin primes, and the transcendence of e , to mention a few.

Readers will find a substantial number of well-chosen problems, along with many notes and bibliographical references selected for readability and relevance. Five helpful appendixes — containing such study aids as a factor table, computer-plotted graphs, a table of indices, the Greek alphabet, and a list of symbols — and a bibliography round out this well-written text, which is directed toward undergraduate majors and beginning graduate students in mathematics. No post-calculus prerequisite is assumed. 1977 edition.

 [Download Fundamentals of Number Theory \(Dover Books on Math ...pdf](#)

 [Read Online Fundamentals of Number Theory \(Dover Books on Ma ...pdf](#)

Fundamentals of Number Theory (Dover Books on Mathematics)

By William J. LeVeque

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque

This excellent textbook introduces the basics of number theory, incorporating the language of abstract algebra. A knowledge of such algebraic concepts as group, ring, field, and domain is not assumed, however; all terms are defined and examples are given — making the book self-contained in this respect.


The author begins with an introductory chapter on number theory and its early history. Subsequent chapters deal with unique factorization and the GCD, quadratic residues, number-theoretic functions and the distribution of primes, sums of squares, quadratic equations and quadratic fields, diophantine approximation, and more. Included are discussions of topics not always found in introductory texts: factorization and primality of large integers, p -adic numbers, algebraic number fields, Brun's theorem on twin primes, and the transcendence of e , to mention a few.

Readers will find a substantial number of well-chosen problems, along with many notes and bibliographical references selected for readability and relevance. Five helpful appendixes — containing such study aids as a factor table, computer-plotted graphs, a table of indices, the Greek alphabet, and a list of symbols — and a bibliography round out this well-written text, which is directed toward undergraduate majors and beginning graduate students in mathematics. No post-calculus prerequisite is assumed. 1977 edition.

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque Bibliography

- Sales Rank: #460859 in Books
- Published on: 1996-02-07
- Released on: 1996-02-07
- Original language: English
- Number of items: 1
- Dimensions: 8.20" h x .57" w x 5.62" l, .62 pounds
- Binding: Paperback
- 288 pages

 [Download Fundamentals of Number Theory \(Dover Books on Math ...pdf](#)

 [Read Online Fundamentals of Number Theory \(Dover Books on Ma ...pdf](#)

Download and Read Free Online Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque

Editorial Review

Users Review

From reader reviews:

Donald Shelby:

What do you think about book? It is just for students since they're still students or that for all people in the world, what the best subject for that? Just simply you can be answered for that problem above. Every person has various personality and hobby for every single other. Don't to be forced someone or something that they don't desire do that. You must know how great and important the book Fundamentals of Number Theory (Dover Books on Mathematics). All type of book can you see on many resources. You can look for the internet solutions or other social media.

Martha Silva:

A lot of people always spent their very own free time to vacation or go to the outside with them household or their friend. Are you aware? Many a lot of people spent that they free time just watching TV, or perhaps playing video games all day long. If you want to try to find a new activity this is look different you can read a new book. It is really fun in your case. If you enjoy the book you read you can spent the whole day to reading a reserve. The book Fundamentals of Number Theory (Dover Books on Mathematics) it is quite good to read. There are a lot of individuals who recommended this book. These folks were enjoying reading this book. In the event you did not have enough space bringing this book you can buy typically the e-book. You can m0ore quickly to read this book from the smart phone. The price is not very costly but this book possesses high quality.

Charles Adams:

Does one one of the book lovers? If yes, do you ever feeling doubt while you are in the book store? Aim to pick one book that you find out the inside because don't judge book by its include may doesn't work this is difficult job because you are scared that the inside maybe not because fantastic as in the outside seem likes. Maybe you answer may be Fundamentals of Number Theory (Dover Books on Mathematics) why because the excellent cover that make you consider with regards to the content will not disappoint you actually. The inside or content is definitely fantastic as the outside or perhaps cover. Your reading 6th sense will directly assist you to pick up this book.

Lorene Williamson:

A lot of publication has printed but it differs from the others. You can get it by web on social media. You can choose the best book for you, science, comedian, novel, or whatever by means of searching from it. It is

called of book Fundamentals of Number Theory (Dover Books on Mathematics). You can add your knowledge by it. Without leaving behind the printed book, it could add your knowledge and make an individual happier to read. It is most significant that, you must aware about guide. It can bring you from one destination to other place.

**Download and Read Online Fundamentals of Number Theory
(Dover Books on Mathematics) By William J. LeVeque
#DAY58SZR1M0**

Read Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque for online ebook

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque 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 Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque books to read online.

Online Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque ebook PDF download

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque Doc

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque Mobipocket

Fundamentals of Number Theory (Dover Books on Mathematics) By William J. LeVeque EPub