



Friendly Introduction to Number Theory

Silverman

Download now

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

Friendly Introduction to Number Theory

Silverman

Friendly Introduction to Number Theory Silverman

Contents Flowchart of Chapter Dependencies
Introduction 1. What Is Number Theory? 2. Pythagorean Triples 3. Pythagorean Triples and the Unit Circle 4. Sums of Higher Powers and Fermat's Last Theorem 5. Divisibility and the Greatest Common Divisor 6. Linear Equations and the Greatest Common Divisor 7. Factorization and the Fundamental Theorem of Arithmetic 8. Congruences 9. Congruences, Powers, and Fermat's Little Theorem 10. Congruences, Powers, and Euler's Formula 11. Euler's Phi Function and the Chinese Remainder Theorem 12. Prime Numbers 13. Counting Primes 14. Mersenne Primes 15. Mersenne Primes and Perfect Numbers 16. Powers Modulo m and Successive Squaring 17. Computing k th Roots Modulo m 18. Powers, Roots, and "Unbreakable" Codes 19. Primality Testing and Carmichael Numbers 20. Squares Modulo p 21. Quadratic Reciprocity 22. Proof of Quadratic Reciprocity 23. Which Primes Are Sums of Two Squares? 24. Which Numbers Are Sums of Two Squares? 25. Euler's Phi Function and Sums of Divisors 26. Powers Modulo p and Primitive Roots 27. Primitive Roots and Indices 28. The Equation $X^4 + Y^4 = Z^4$ 29. Square-Triangular Numbers Revisited 30. Pell's Equation 31. Diophantine Approximation 32. Diophantine Approximation and Pell's Equation 33. Number Theory and Imaginary Numbers 34. The Gaussian Integers and Unique Factorization 35. Irrational Numbers and Transcendental Numbers 36. Binomial Coefficients and Pascal's Triangle 37. Fibonacci's Rabbits and Linear Recurrence Sequences 38. Cubic Curves and Elliptic Curves 39. Elliptic Curves with Few Rational Points 40. Points on Elliptic Curves Modulo p 41. Torsion Collections Modulo p and Bad Primes 42. Defect Bounds and Modularity Patterns 43. Elliptic Curves and Fermat's Last Theorem



[Download Friendly Introduction to Number Theory ...pdf](#)



[Read Online Friendly Introduction to Number Theory ...pdf](#)

Download and Read Free Online Friendly Introduction to Number Theory Silverman

From reader reviews:

Gary Lafountain:

Nowadays reading books become more than want or need but also become a life style. This reading behavior give you lot of advantages. The huge benefits you got of course the knowledge your information inside the book which improve your knowledge and information. The details you get based on what kind of guide you read, if you want send more knowledge just go with schooling books but if you want sense happy read one together with theme for entertaining for instance comic or novel. The Friendly Introduction to Number Theory is kind of guide which is giving the reader unstable experience.

Jesus Loveless:

Precisely why? Because this Friendly Introduction to Number Theory is an unordinary book that the inside of the book waiting for you to snap that but latter it will shock you with the secret that inside. Reading this book next to it was fantastic author who write the book in such amazing way makes the content inside easier to understand, entertaining way but still convey the meaning thoroughly. So , it is good for you because of not hesitating having this any longer or you going to regret it. This book will give you a lot of positive aspects than the other book include such as help improving your skill and your critical thinking method. So , still want to postpone having that book? If I have been you I will go to the book store hurriedly.

John Dumas:

Reading can called mind hangout, why? Because while you are reading a book especially book entitled Friendly Introduction to Number Theory your thoughts will drift away trough every dimension, wandering in each aspect that maybe unknown for but surely can become your mind friends. Imaging just about every word written in a book then become one application form conclusion and explanation which maybe you never get previous to. The Friendly Introduction to Number Theory giving you an additional experience more than blown away your head but also giving you useful facts for your better life within this era. So now let us present to you the relaxing pattern the following is your body and mind will be pleased when you are finished reading through it, like winning a. Do you want to try this extraordinary spending spare time activity?

Franklin Crossland:

Friendly Introduction to Number Theory can be one of your beginning books that are good idea. We recommend that straight away because this book has good vocabulary that may increase your knowledge in vocabulary, easy to understand, bit entertaining but nevertheless delivering the information. The article writer giving his/her effort to set every word into enjoyment arrangement in writing Friendly Introduction to Number Theory although doesn't forget the main place, giving the reader the hottest as well as based confirm resource details that maybe you can be one of it. This great information may drawn you into brand new stage of crucial contemplating.

Download and Read Online Friendly Introduction to Number Theory Silverman #Q4TVWPF35HO

Read Friendly Introduction to Number Theory by Silverman for online ebook

Friendly Introduction to Number Theory by Silverman 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 Friendly Introduction to Number Theory by Silverman books to read online.

Online Friendly Introduction to Number Theory by Silverman ebook PDF download

Friendly Introduction to Number Theory by Silverman Doc

Friendly Introduction to Number Theory by Silverman MobiPocket

Friendly Introduction to Number Theory by Silverman EPub