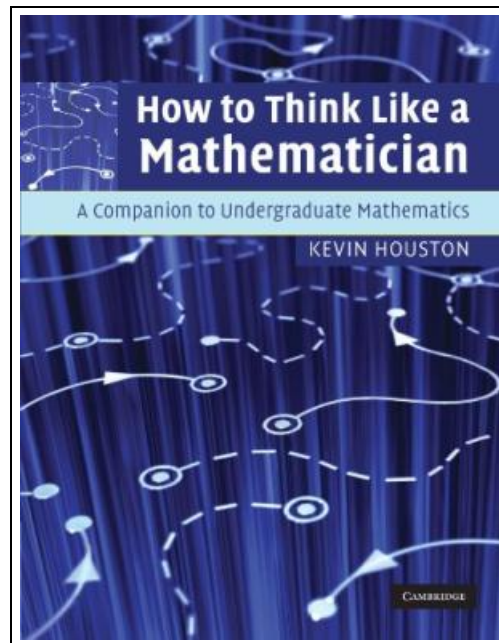


How to Think Like a Mathematician: A Companion to Undergraduate Mathematics



Filesize: 5.85 MB

Reviews

Excellent eBook and useful one. it was actually writtern extremely perfectly and useful. You wont truly feel monotony at at any time of your time (that's what catalogues are for about when you question me).

(Zora Koch IV)

HOW TO THINK LIKE A MATHEMATICIAN: A COMPANION TO UNDERGRADUATE MATHEMATICS

[DOWNLOAD](#)

To get **How to Think Like a Mathematician: A Companion to Undergraduate Mathematics** eBook, remember to click the link listed below and save the ebook or gain access to other information that are have conjunction with HOW TO THINK LIKE A MATHEMATICIAN: A COMPANION TO UNDERGRADUATE MATHEMATICS ebook.

Cambridge University Press, New Delhi, India, 2009. Paperback. Book Condition: New. First Edition. Looking for a head start in your undergraduate degree in mathematics? Maybe youve already started your degree and feel bewildered by the subject you previously loved? Dont panic! This friendly companion will ease your transition to real mathematical thinking. Working through the book you will develop an arsenal of techniques to help you unlock the meaning of definitions, theorems and proofs, solve problems, and write mathematics effectively. All the major methods of proof - direct method, cases, induction, contradiction and contrapositive - are featured. Concrete examples are used throughout, and youll get plenty of practice on topics common to many courses such as divisors, Euclidean algorithms, modular arithmetic, equivalence relations, and injectivity and surjectivity of functions. The material has been tested by real students over many years so all the essentials are covered. With over 300 exercises to help you test your progress, youll soon learn how to think like a mathematician. Contents Preface Part I. Study Skills For Mathematicians: 1. Sets and functions 2. Reading mathematics 3. Writing mathematics I 4. Writing mathematics II 5. How to solve problems Part II. How To Think Logically: 6. Making a statement 7. Implications 8. Finer points concerning implications 9. Converse and equivalence 10. Quantifiers For all and There exists 11. Complexity and negation of quantifiers 12. Examples and counterexamples 13. Summary of logic Part III. Definitions, Theorems and Proofs: 14. Definitions, theorems and proofs 15. How to read a definition 16. How to read a theorem 17. Proof 18. How to read a proof 19. A study of Pythagoras Theorem Part IV. Techniques of Proof: 20. Techniques of proof I: direct method 21. Some common mistakes 22. Techniques of proof II: proof by cases 23. Techniques of proof...

[Read How to Think Like a Mathematician: A Companion to Undergraduate Mathematics Online](#)[Download PDF How to Think Like a Mathematician: A Companion to Undergraduate Mathematics](#)[Download ePUB How to Think Like a Mathematician: A Companion to Undergraduate Mathematics](#)

Related Kindle Books



[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 8 Andrew

Access the link beneath to read "Read Write Inc. Phonics: Grey Set 7 Storybook 8 Andrew" PDF document.

[Read eBook](#)

»



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the link beneath to read "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" PDF document.

[Read eBook](#)

»



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Access the link beneath to read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF document.

[Read eBook](#)

»



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the link beneath to read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF document.

[Read eBook](#)

»



[PDF] Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook

Access the link beneath to read "Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook" PDF document.

[Read eBook](#)

»



[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)

Access the link beneath to read "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" PDF document.

[Read eBook](#)

»

**[PDF] Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)**

Access the link beneath to read "Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)" PDF file.

[Download](#) [eBook](#)

»

**[PDF] The Monster Next Door - Read it Yourself with Ladybird: Level 2**

Access the link beneath to read "The Monster Next Door - Read it Yourself with Ladybird: Level 2" PDF file.

[Download](#) [eBook](#)

»

**[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Access the link beneath to read "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" PDF file.

[Download](#) [eBook](#)

»

**[PDF] Read Write Inc. Phonics: Green Set 1 Non-Fiction 2 We Can All Swim!**

Access the link beneath to read "Read Write Inc. Phonics: Green Set 1 Non-Fiction 2 We Can All Swim!" PDF file.

[Download](#) [eBook](#)

»

**[PDF] The Three Little Pigs - Read it Yourself with Ladybird: Level 2**

Access the link beneath to read "The Three Little Pigs - Read it Yourself with Ladybird: Level 2" PDF file.

[Download](#) [eBook](#)

»

**[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 2: The Fizz-buzz (Hardback)**

Access the link beneath to read "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 2: The Fizz-buzz (Hardback)" PDF file.

[Download](#) [eBook](#)

»