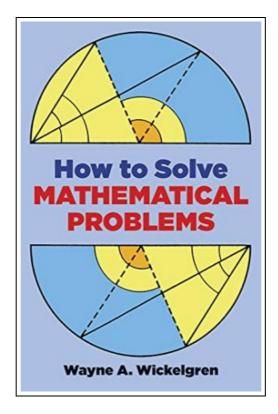
How to Solve Mathematical Problems



Filesize: 4.3 MB

Reviews

This book is fantastic. This is certainly for all those who statte there had not been a really worth reading. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Prof. Dale Fahey MD)

HOW TO SOLVE MATHEMATICAL PROBLEMS



Dover Publications Inc., United States, 1995. Paperback. Book Condition: New. New edition. 213 x 135 mm. Language: English . Brand New Book. If you ve ever tried to solve mathematical problems without any idea how to go about it, this book is for you. It will improve your ability to solve all kinds of mathematical problems whether in mathematics, science, engineering, business, or purely recreational mathematical problems (puzzles, games, etc.). In the pages of this book you ll discover seven indispensable problem-solving techniques: inference, classification of action sequences, state evaluation and hill climbing, subgoals, contradiction, working backward and relations between problems. Based on modern advances in the fields of artificial intelligence and computer simulation of thought, the techniques are taught here by an effective problem-solving methodology. Dr. Wickelgren, formerly a Professor of Psychology at MIT and the University of Oregon, first defines a problem-solving method, then illustrates its application to simple recreational mathematics problems that require no more background than a year of high school algebra and a year of plane geometry. By devoting the majority of the book to such puzzle problems, which require less background and information than more advanced mathematics and science problems, the author reaches the widest possible audience. In the final chapter, however, Dr. Wickelgren deals with specific problems from mathematics, science, and engineering. Throughout the book, sample problems illustrate each method and the author has supplied hints and complete solutions. Carefully and clearly written, this indispensable guide will help students in every discipline avoid countless hours of frustration and wasted effort. It is an ideal book for early undergraduate courses in mathematics, physical science, engineering, computer science, economics and other fields that require problem solving. Preface. Introduction. References.Index. 73 line illustrations.



Read How to Solve Mathematical Problems Online

Download PDF How to Solve Mathematical Problems

Other eBooks



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English. Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

Download Book »



 $Some\ of\ My\ Best\ Friends\ Are\ Books: Guiding\ Gifted\ Readers\ from\ Preschool\ to\ High\ School$

Book Condition: Brand New. Book Condition: Brand New.

Download Book »



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

 $Create space, United States, 2010. \ Paperback. \ Book \ Condition: New. \ 229 \times 152 \ mm. \ Language: English. \ Brand \ New \ Book \ ****** Print on Demand \ ******. From a certified teacher and founder of an online tutoring website-a simple and...$

Download Book »



50 Fill-In Math Word Problems: Algebra: Engaging Story Problems for Students to Read, Fill-In, Solve, and Sharpen Their Math Skills

Scholastic Teaching Resources. Paperback / softback. Book Condition: new. BRAND NEW, 50 Fill-In Math Word Problems: Algebra: Engaging Story Problems for Students to Read, Fill-In, Solve, and Sharpen Their Math Skills, Bob Krech, Joan Novelli,...

Download Book »



Preventing Childhood Eating Problems: A Practical, Positive Approach to Raising Kids Free of Food and Weight

Book Condition: Brand New. Book Condition: Brand New.

Download Book »