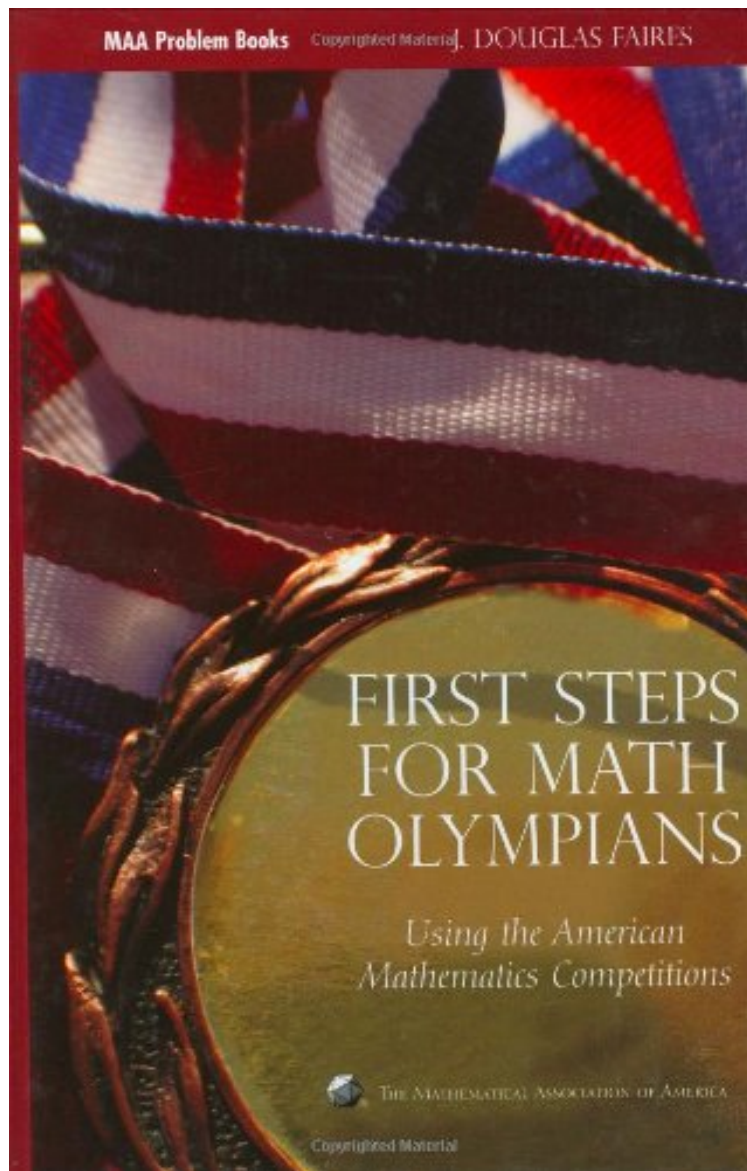


[Download] First Steps for Math Olympians: Using the American Mathematics Competitions (Problem Books) (MAA Problem Book Series)

First Steps for Math Olympians: Using the American Mathematics Competitions (Problem Books) (MAA Problem Book Series)

J. Douglas Faires

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#352020 in Books Mathematical Assn of Amer 2006-07-15Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.25 x .91 x 6.221, 1.23 #File Name: 088385824X320 pages | File size: 52.Mb

J. Douglas Faires : First Steps for Math Olympians: Using the American Mathematics Competitions (Problem Books) (MAA Problem Book Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised First Steps for Math Olympians: Using the American Mathematics Competitions (Problem Books) (MAA Problem Book Series):

0 of 0 people found the following review helpful. Four StarsBy James BGood13 of 16 people found the following review helpful. As it says: First StepsBy David JimenezThis is a good source to start a serious training for mathematical competitions, but as it says, it gives you the first step. Should be enough for those who just look to improve their AMC scores significantly, but not so useful for those thinking or wanting to participate on IMO, APMO or similar competition.For the level it has, I feel it is somewhat overpriced, but besides that, it's a good book.2 of 3 people found the following review helpful. Not worth the moneyBy Wenming NiI think the book is over priced, all the chapters are very shallow introductions, no deep or complete details. Not recommend to buy it.

Any high school student preparing for the American Mathematics Competitions should get their hands on a copy of this book! A major aspect of mathematical training and its benefit to society is the ability to use logic to solve problems. The American Mathematics Competitions (AMC) have been given for more than fifty years to millions of high school students. This book considers the basic ideas behind the solutions to the majority of these problems, and presents examples and exercises from past exams to illustrate the concepts. Anyone taking the AMC exams or helping students prepare for them will find many useful ideas here. But people generally interested in logical problem solving should also find the problems and their solutions interesting. This book will promote interest in mathematics by providing students with the tools to attack problems that occur on mathematical problem-solving exams, and specifically to level the playing field for those who do not have access to the enrichment programs that are common at the top academic high schools. The book can be used either for self-study or to give people who want to help students prepare for mathematics exams easy access to topic-oriented material and samples of problems based on that material. This is useful for teachers who want to hold special sessions for students, but it is equally valuable for parents who have children with mathematical interest and ability. As students' problem solving abilities improve, they will be able to comprehend more difficult concepts requiring greater mathematical ingenuity. They will be taking their first steps towards becoming math Olympians!

Provides a wealth of opportunities for students to become experienced problem solvers. --David Webb, Penn State UniversityAn impressive problem solving primer.The book presents a wide variety of problems and problem solving strategies. --Richard Gibbs, Fort Lewis CollegeFaires (Youngstown State Univ.) has prepared First Steps for Math Olympians as a guidebook for teachers who are helping high school students prepare for the American Mathematics Competitions (AMC). The book breaks the competitions down into 18 subjects and uses problems from past competitions as examples and exercises to illustrate each topic. Perhaps most useful to students taking the tests is the fact that these sample problems are arranged by subject. Also useful are the brief descriptions of the topics preceding the problems in each section. These descriptions serve as reminders of each area and may be useful as a reference while working on the exercises in each section. The preface describes the history of the AMC and Faires's lengthy involvement in the competitions, which lends authority to the choice and arrangement of topics. This book should be included in the library of anyone involved in preparing high school students to the AMC. Highly recommended. --J.t. Noonan, CHOICEAbout the AuthorJ. Douglas Faires received his Ph.D from the University of South Carolina in 1970. He has been the National Director of the AMC-10 Competition of the American Mathematics Competitions (sponsored by the Mathematical Association of America) since 1999.