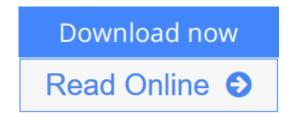# Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set)

By Xu Jiagu

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu

Olympiad mathematics is not a collection of techniques of solving mathematical problems but a system for advancing mathematical education. This book is based on the lecture notes of the mathematical Olympiad training courses conducted by the author in Singapore. Its scope and depth not only covers and exceeds the usual syllabus, but introduces a variety concepts and methods in modern mathematics. In each lecture, the concepts, theories and methods are taken as the core. The examples are served to explain and enrich their intension and to indicate their applications. Besides, appropriate number of test questions is available for reader's practice and testing purpose. Their detailed solutions are also conveniently provided. The examples are not very complicated so that readers can easily understand. There are many real competition questions included which students can use to verify their abilities. These test questions are from many countries, e.g. China, Russia, USA, Singapore, etc. In particular, the reader can find many questions from China, if he is interested in understanding mathematical Olympiad in China. This book serves as a useful textbook of mathematical Olympiad courses, or as a reference book for related teachers and researchers.

Volume 1:

• Operations on Rational Numbers
• Linear Equations of Single Variable
• Multiplication Formulae
• Absolute Value and Its Applications
• Congruence of Triangles
• Similarity of Triangles
• Divisions of Polynomials
• Solutions to Testing Questions

Volume 2:

• Congruence of Integers
• Decimal Representation of Integers
• Pigeonhole Principle

- Linear Inequality and System of Linear Inequalities
- Inequalities with Absolute Values
- Geometric Inequalities
- Solutions to Testing Questions

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set)

By Xu Jiagu

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu

Olympiad mathematics is not a collection of techniques of solving mathematical problems but a system for advancing mathematical education. This book is based on the lecture notes of the mathematical Olympiad training courses conducted by the author in Singapore. Its scope and depth not only covers and exceeds the usual syllabus, but introduces a variety concepts and methods in modern mathematics. In each lecture, the concepts, theories and methods are taken as the core. The examples are served to explain and enrich their intension and to indicate their applications. Besides, appropriate number of test questions is available for reader's practice and testing purpose. Their detailed solutions are also conveniently provided. The examples are not very complicated so that readers can easily understand. There are many real competition questions included which students can use to verify their abilities. These test questions are from many countries, e.g. China, Russia, USA, Singapore, etc. In particular, the reader can find many questions from China, if he is interested in understanding mathematical Olympiad in China. This book serves as a useful textbook of mathematical Olympiad courses, or as a reference book for related teachers and researchers.

Volume 1:

- Operations on Rational Numbers
- Linear Equations of Single Variable
- Multiplication Formulae
- Absolute Value and Its Applications
- Congruence of Triangles
- Similarity of Triangles
- Divisions of Polynomials
- Solutions to Testing Questions

Volume 2:

- Congruence of Integers
- Decimal Representation of Integers
- Pigeonhole Principle
- Linear Inequality and System of Linear Inequalities
- Inequalities with Absolute Values
- Geometric Inequalities
- Solutions to Testing Questions

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu Bibliography

- Rank: #1506774 in Books
- Brand: imusti

- Published on: 2009-12-11
- Original language: English
- Number of items: 2
- Dimensions: 8.80" h x 1.10" w x 6.10" l, 1.60 pounds
- Binding: Paperback
- 400 pages

Download and Read Free Online Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu

Editorial Review

From the Inside Flap
Olympiad mathematics is not a collection of techniques of solving mathematical problems but a system for advancing mathematical education.

This book is based on the lecture notes of the mathematical Olympiad training courses conducted by the author in Singapore. Its scope and depth not only covers and exceeds the usual syllabus, but introduces a variety concepts and methods in modern mathematics.

In each lecture, the concepts, theories and methods are taken as the core. The examples are served to explain and enrich their intension and to indicate their applications. Besides, appropriate number of test questions is available for reader's practice and testing purpose. Their detailed solutions are also conveniently provided.

The examples are not very complicated so that readers can easily understand. There are many real competition questions included which students can use to verify their abilities. These test questions are from many countries, e.g. China, Russia, USA, Singapore, etc. In particular, the reader can find many questions from China, if he is interested in understanding mathematical Olympiad in China.

This book serves as a useful textbook of mathematical Olympiad courses, or as a reference book for related teachers and researchers.

Users Review

From reader reviews:

Brittany Belliveau:

The book Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) gives you the sense of being enjoy for your spare time. You need to use to make your capable more increase. Book can being your best friend when you getting anxiety or having big problem with your subject. If you can make studying a book Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) to become your habit, you can get far more advantages, like add your personal capable, increase your knowledge about a number of or all subjects. You could know everything if you like wide open and read a book Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set). Kinds of book are several. It means that, science reserve or encyclopedia or other folks. So , how do you think about this e-book?

Tony Hill:

Do you among people who can't read pleasurable if the sentence chained within the straightway, hold on guys this specific aren't like that. This Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) book is readable by means of you who hate those straight word style. You will find the facts here are arrange for enjoyable looking at experience without leaving perhaps decrease the knowledge that want to offer to you. The writer regarding Lecture Notes on Mathematical Olympiad Courses: For Junior

Section (2 Volume Set) content conveys the idea easily to understand by lots of people. The printed and e-book are not different in the content but it just different as it. So , do you still thinking Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) is not loveable to be your top record reading book?

James Moore:

Playing with family in a very park, coming to see the marine world or hanging out with friends is thing that usually you could have done when you have spare time, subsequently why you don't try factor that really opposite from that. One particular activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of information. Even you love Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set), it is possible to enjoy both. It is good combination right, you still need to miss it? What kind of hang-out type is it? Oh seriously its mind hangout fellas. What? Still don't have it, oh come on its named reading friends.

Cassandra Rosas:

Does one one of the book lovers? If so, do you ever feeling doubt if you are in the book store? Try to pick one book that you find out the inside because don't assess book by its include may doesn't work the following is difficult job because you are afraid that the inside maybe not while fantastic as in the outside look likes. Maybe you answer could be Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) why because the amazing cover that make you consider with regards to the content will not disappoint a person. The inside or content is fantastic as the outside or cover. Your reading sixth sense will directly guide you to pick up this book.

Download and Read Online Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu #DN892VG16AF

Read Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu for online ebook

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu 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 Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu books to read online.

Online Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu ebook PDF download

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu Doc

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu Mobipocket

Lecture Notes on Mathematical Olympiad Courses: For Junior Section (2 Volume Set) By Xu Jiagu EPub