



Hard Math for Middle School: IMLEM Plus Edition

By Glenn Ellison

Download now

Read Online 

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison

The IMLEM Plus edition of Hard Math is designed for students participating in both the Intermediate Math League of Eastern Massachusetts and Mathcounts(r). The topics align with modern middle school curricula: fractions, decimals, percents, prime factorization, plane and spatial geometry, probability, statistics, combinatorics, algebra, modular arithmetic, etc. But Hard Math challenges students to develop a deeper understanding: it asks much harder questions than standard texts and teaches the material and problem solving strategies students need to attack them. For example, rather than asking students to write $2/5$ as a decimal, it might ask students to use the fact that $99999 = 9 \times 41 \times 271$ to find the tenth digit in the decimal expansion for $1/271$. (It might ask this, but never actually does.) The organization is designed to serve IMLEM students' needs: the first five chapters cover exactly what students should learn for each of IMLEM's monthly contests. But the text can also serve students preparing for other math contests or as general enrichment.

Hard Math for Middle School: Workbook, sold separately, contains over 100 worksheets. The worksheets have problems at different difficulty levels that students can use to solidify their understanding of the material in each section of the textbook.

The IMLEM Plus edition of Hard Math can be used interchangeably with the IMLEM edition. The only difference is that the IMLEM Plus edition contains an extra chapter covering topics that do not appear on IMLEM contests, but which the author feels are useful to know if a student wants to do very well on Mathcounts(r).

Mathcounts(r) is a registered trademark of the Mathcounts Foundation, which was not involved in the production of, and does not endorse, this book.

 [Download Hard Math for Middle School: IMLEM Plus Edition ...pdf](#)

 [Read Online Hard Math for Middle School: IMLEM Plus Edition ...pdf](#)

Hard Math for Middle School: IMLEM Plus Edition

By Glenn Ellison

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison

The IMLEM Plus edition of Hard Math is designed for students participating in both the Intermediate Math League of Eastern Massachusetts and Mathcounts(r). The topics align with modern middle school curricula: fractions, decimals, percents, prime factorization, plane and spatial geometry, probability, statistics, combinatorics, algebra, modular arithmetic, etc. But Hard Math challenges students to develop a deeper understanding: it asks much harder questions than standard texts and teaches the material and problem solving strategies students need to attack them. For example, rather than asking students to write $2/5$ as a decimal, it might ask students to use the fact that $99999 = 9 \times 41 \times 271$ to find the tenth digit in the decimal expansion for $1/271$. (It might ask this, but never actually does.) The organization is designed to serve IMLEM students' needs: the first five chapters cover exactly what students should learn for each of IMLEM's monthly contests. But the text can also serve students preparing for other math contests or as general enrichment.

Hard Math for Middle School: Workbook, sold separately, contains over 100 worksheets. The worksheets have problems at different difficulty levels that students can use to solidify their understanding of the material in each section of the textbook.

The IMLEM Plus edition of Hard Math can be used interchangeably with the IMLEM edition. The only difference is that the IMLEM Plus edition contains an extra chapter covering topics that do not appear on IMLEM contests, but which the author feels are useful to know if a student wants to do very well on Mathcounts(r).

Mathcounts(r) is a registered trademark of the Mathcounts Foundation, which was not involved in the production of, and does not endorse, this book.

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison Bibliography

- Sales Rank: #53614 in Books
- Published on: 2010-09-11
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x .54" w x 8.00" l, 1.28 pounds
- Binding: Paperback
- 238 pages

 [Download Hard Math for Middle School: IMLEM Plus Edition ...pdf](#)

 [Read Online Hard Math for Middle School: IMLEM Plus Edition ...pdf](#)

Download and Read Free Online Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison

Editorial Review

About the Author

Glenn Ellison is the Gregory K. Palm Professor of Economics at MIT and a parent volunteer at Bigelow Middle School. He didn't have the opportunity to participate in math contests in junior high, but was a member of the Harvard math team which won the national championship on the 1985 Putnam exam.

His most recent book, *Hard Math for Elementary School*, offers similarly challenging (and fun!) material for younger students.

Users Review

From reader reviews:

Amber Orłowski:

The book *Hard Math for Middle School: IMLEM Plus Edition* make one feel enjoy for your spare time. You can use to make your capable more increase. Book can for being your best friend when you getting strain or having big problem using your subject. If you can make reading through a book *Hard Math for Middle School: IMLEM Plus Edition* being your habit, you can get considerably more advantages, like add your capable, increase your knowledge about many or all subjects. It is possible to know everything if you like start and read a guide *Hard Math for Middle School: IMLEM Plus Edition*. Kinds of book are a lot of. It means that, science guide or encyclopedia or other individuals. So , how do you think about this e-book?

Brenda Schweiger:

The ability that you get from *Hard Math for Middle School: IMLEM Plus Edition* is a more deep you excavating the information that hide inside words the more you get serious about reading it. It doesn't mean that this book is hard to know but *Hard Math for Middle School: IMLEM Plus Edition* giving you enjoyment feeling of reading. The writer conveys their point in a number of way that can be understood by means of anyone who read this because the author of this e-book is well-known enough. That book also makes your own vocabulary increase well. Making it easy to understand then can go along, both in printed or e-book style are available. We recommend you for having this specific *Hard Math for Middle School: IMLEM Plus Edition* instantly.

Eileen Matherly:

This book untitled *Hard Math for Middle School: IMLEM Plus Edition* to be one of several books which best seller in this year, here is because when you read this book you can get a lot of benefit upon it. You will easily to buy that book in the book shop or you can order it by means of online. The publisher on this book sells the e-book too. It makes you more easily to read this book, since you can read this book in your Cell phone. So there is no reason for your requirements to past this guide from your list.

Darron Hiller:

This Hard Math for Middle School: IMLEM Plus Edition is fresh way for you who has fascination to look for some information given it relief your hunger associated with. Getting deeper you into it getting knowledge more you know or perhaps you who still having small amount of digest in reading this Hard Math for Middle School: IMLEM Plus Edition can be the light food for you personally because the information inside this book is easy to get through anyone. These books acquire itself in the form that is reachable by anyone, that's why I mean in the e-book contact form. People who think that in guide form make them feel tired even dizzy this reserve is the answer. So there isn't any in reading a e-book especially this one. You can find actually looking for. It should be here for anyone. So , don't miss the item! Just read this e-book type for your better life and also knowledge.

Download and Read Online Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison #S5EU37BHYML

Read Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison for online ebook

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison 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 Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison books to read online.

Online Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison ebook PDF download

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison Doc

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison Mobipocket

Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison EPub

S5EU37BHYML: Hard Math for Middle School: IMLEM Plus Edition By Glenn Ellison