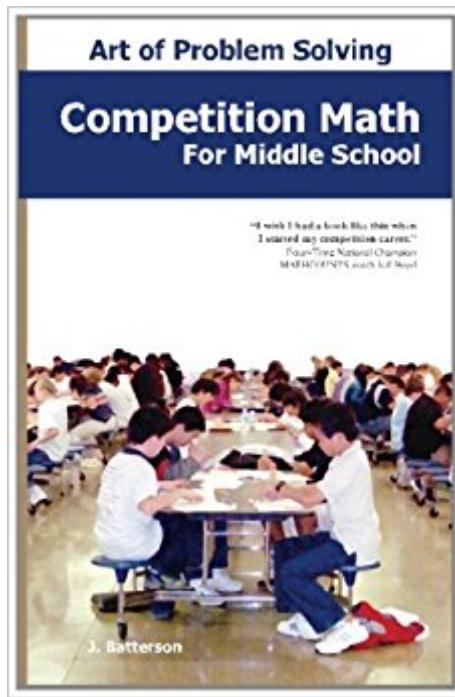


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# Competition Math For Middle School



## Synopsis

Written for the gifted math student, the new math coach, the teacher in search of problems and materials to challenge exceptional students, or anyone else interested in advanced mathematical problems. Competition Math contains over 700 examples and problems in the areas of Algebra, Counting, Probability, Number Theory, and Geometry. Examples and full solutions present clear concepts and provide helpful tips and tricks. "I wish I had a book like this when I started my competition career." Four-Time National Champion MATHCOUNTS coach Jeff Boyd "This book is full of juicy questions and ideas that will enable the reader to excel in MATHCOUNTS and AMC competitions. I recommend it to any students who aspire to be great problem solvers." Former AHSME Committee Chairman Harold Reiter

## Book Information

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## Customer Reviews

I am a middle school math team coach constantly looking for good material to use with my students, as well as books that can teach me some better ways to work through the problems. This book gives me both, and I am ordering more for my math team because of it. Each concept is organized by larger topic and explained clearly, with practice problems similar to what you would find in a Math Counts or AMC contest. You will learn some new tricks (they were new to me at least) that helps solve problems much more quickly. I recommend it to new coaches who have caught the math competition bug but don't know where to get materials, or even experienced coaches who want another outstanding resource for their library. For someone still trying to learn all of the ins and outs of middle school math contests, this has vaulted into a spot as one of my go-to resources, along

with the Art of Problem Solving series and old Math Counts problems.

This is an impressive collection of competition math problems that are explained very well! The book addresses multiple levels of ability and is a wonderful source of interesting mathematics. As a high school math coach of many years I can say that this book is NOT just for Middle School! It's a great high school math book. Math teachers everywhere need to be challenging students to think. "Competition Math for Middle School" is just what they need. I recommend this book to math teachers teaching everything from Algebra 1 to Calculus. Topics in the book include Number Theory, Geometry and Combinatorics. It's a treat!

We bought this for my son to help him study for the Math Counts competition - and just as a resource to supplement his math curriculum. He loved the book and found it VERY helpful. Would highly recommend it.

I'm doing Mathcounts in my school, and wanted some resources to help me perform better in the chapter and state competitions. I was on an online course at [artofproblemsolving.com](http://artofproblemsolving.com) for advanced Mathcounts/AMC 8, and in the previous years I had taken a course on Johns Hopkins CTY. I bought this book on [Artofproblemsolving.com](http://artofproblemsolving.com) because it was meant for contest "mathletes" like me. Instantly, I focused areas on my weak sections of math, like probability/counting, and geometry. I reviewed the probability section for a few days and in what seems like an instant, it became my best subject. This book teaches the reader through the concepts first, with a few worked examples, then lets you do it on your own. The problems are challenging, fun, and serve as an excellent resource for sharpening skills on weak areas. Now, I'm working on the geometry section. Also, this book shows slick methods for hard problems, like "How many different rectangles can be formed on an 8x8 chessboard?" Overall, I think this is an excellent resource for one who is serious about competition math and wants to excel in competitions like mathcounts. A last thing I would recommend is that people who want to buy this book is that they should be somewhat confident that they will proceed to state mathcounts(or at least, have some experience). In general, I thought this was an amazing book!!

I use this book as a supplement to my daughter's school math. I like this book because it explains how simple mathematical concepts can be applied in competition level. This book provides with many practice questions that students can practice until they get familiar with similar questions. My

daughter is smart but sometimes, can be scared of these competition math questions. This book is not too difficult that both average and smart students can learn from it. The explanation is simple but comprehensive. This book is not filled with those arrogant questions that can make kids feel defeatism in math. I gave the questions in the probability section to my daughter after she learned probability at the school. She learned how school math can be expanded and applied to the competition level from this book. Not all kids who are interested in math are genius. This book is for those students. I highly recommend this book.

This book is good in parts but the difficulty is uneven across sections. Problems for some sections are "just right" in terms of the extent to which the subject matter has been introduced, and for the intended audience. Other sections have problems that basically go from "zero to 100mph" without much runway or introduction. I am still working through it with my son but we have learnt not to spend too much time on certain problems or sections that are not properly sized.

I am in my Math Counts team in Middle School and this was a great book. It talked about a lot of interesting math-related topics. All of my team mates had gotten this book, so I decided to buy it too and it was a good decision. I will recommend this book to everyone who needs some math competition help in middle school.

I definitely recommend this book to middle-schoolers aiming for scoring high in competitive math exams. I was able to prep my son (who was very good in grade school, but not accustomed to high standards of competition math) and he is doing phenomenally well now. I used Batterson's book to gradually introduce tough problems in number theory, algebra, probability etc, and when this book is studied with the art-of-problem-solving (+ vol1, vol2) and Israel Gelfand's algebra + trigonometry + Kieslev's geometry, you have a kid who can really excel in math. My son is an all-rounder (sports and leadership wise) and growing up in NJ we are surrounded with some amazing talent, but now I got him excel in competition math too. This book's section on counting and probability is unbelievably good especially the way he tackles the weird counting questions with "stickers and stones".. well done!

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