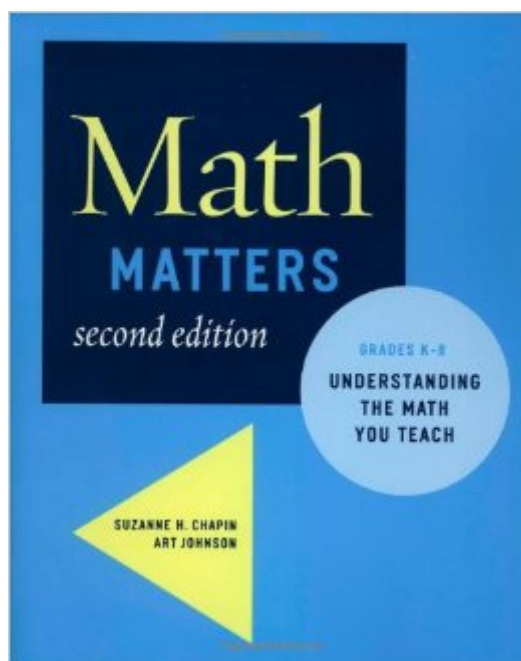


The book was found

Math Matters: Understanding The Math You Teach, Grades K-8 (2nd Edition)



Synopsis

This must-have resource is widely acknowledged for helping teachers, coordinators, and college faculty deepen their understanding of the mathematical concepts they teach. Math Matters provides an in-depth study with 14 chapters covering number sense, computation, addition, subtraction, multiplication, division, fractions, decimals, percents, ratios, algebra, geometry, spatial sense, measurement, statistics, and probability. Over 100 activities give readers an opportunity to connect ideas, compare and contrast concepts, and consider how students understand the mathematics presented.

Book Information

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Average Customer Review: 4.7 out of 5 stars Â Â See all reviews Â (24 customer reviews)

Best Sellers Rank: #100,793 in Books (See Top 100 in Books) #29 in Â Books > Science & Math > Mathematics > Reference #286 in Â Books > Education & Teaching > Schools & Teaching > Instruction Methods > Mathematics #381 in Â Books > Textbooks > Education > Elementary Education

Customer Reviews

Conceptual, rather than procedural teaching of math--that is what this book tries to encourage. Although elementary math teachers can often (but not always) find the right answers for math problems, they overwhelmingly are ignorant as to WHY they follow steps spelled out in the procedure they learned so long ago. A teacher who does not know why cannot teach why. This makes for students floating in a permanent math fog. This book tries to fill the gap by laying out math basics--the mathematical principles behind the steps. I am a bit disappointed that no mention is made of the identity properties, but all in all, this book does a good, if sterile job. If you want to get EXCITED about understanding elementary math, you need to read Liping Ma's Knowing and Teaching Elementary Math.

I purchased this book for a masters class and it was really a worthwhile read. This is a great book that looks in depth at areas of mathematics we have to teach in K-8 education. The book includes several activities which I highly recommend doing as you read! I learned things about prime numbers, multiplication, and many other subjects which I had either long-since forgotten or never actually learned. This book helped me to reevaluate how I was teaching mathematics and how I can present information in a way that will help students internalize number concepts rather than just memorizing processes.

This is not just a text book approach to math for students. It offers teachers many options, ideas, and approaches to the math for students. It also provides reminders of the thought process and the math involved in given situations. I appreciated the "review" for me and therefore, for my students. Things I would have taken for granted, I now realize must be reviewed for the students. Thank you.

I am a 3rd grade teacher and a math specialist. If I had to take only a few books onto a deserted island, THIS would be one of them. If you teach math, it should be on your shelf and within easy reach. I often have referred to this as the Bible of math teaching. The chapters are organized around strands of math and the table of contents is quite thorough. This book has very clear and easy to understand explanations about the math you teach. It breaks down the layers of math and helps teachers consider what underlies the math content. It offers multiple ways to think about math topics and helps teachers consider how to scaffold their lessons. This is not a book for lesson planning or using with children. It is a book FOR teacher learning. It helps teachers understand the math and all of the ins and outs so that they might be better math teachers. When I go to teach a new unit, I ALWAYS go back and read the section about the math I'm about to teach. I'm never disappointed and I always learn something new. I think this is the very first book that new math teachers should buy. As a coach, I would buy one for every teacher I supported.

I LOVE this book and it is exactly I wanted. As an educator of middle school aged children, I strive to teach for conceptual understanding. I am not particularly strong in Geometry but Math Matters provides the math background information I need to teach Geometry better and offers activities that I can use in my classroom to help my students develop an understanding of the concept. Completing the activities, prior to assigning them to my students, helps to strengthen my understanding as well. I simply love the book and it is worth every penny I paid for it!

Two reviews called this book "dry" or "sterile," but I don't agree. It is concise and clear, without bells or whistles in the prose, but I found it elegant and even fun. It talks both about the math itself and about which points children often struggle with, and includes many thoughtful activities. I can tell it has been refined over long experience.

Math Matters is a must read for all math teachers of all grades. This book emphasizes the importance of comprehending math concepts on the deepest level, only then can a math teacher really be a benefit to students. This book sheds light on the fact that it is possible to teach math and not really fully comprehend math concepts; (this is why it is difficult to find a math teacher who teaches math in a clear easy to understand way)once you are aware of this fact you are on your way to becoming a true math teacher!!!

This book is GREAT at explaining the concepts underlying math so that as a teacher you can teach these. In today's world kids need to understand concepts, think, and solve problems -- rote learning doesn't work in the 21st century. The kids (and teachers) really need to understand WHY something works the way it does in math, not just HOW to do it. I highly recommend this book!

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