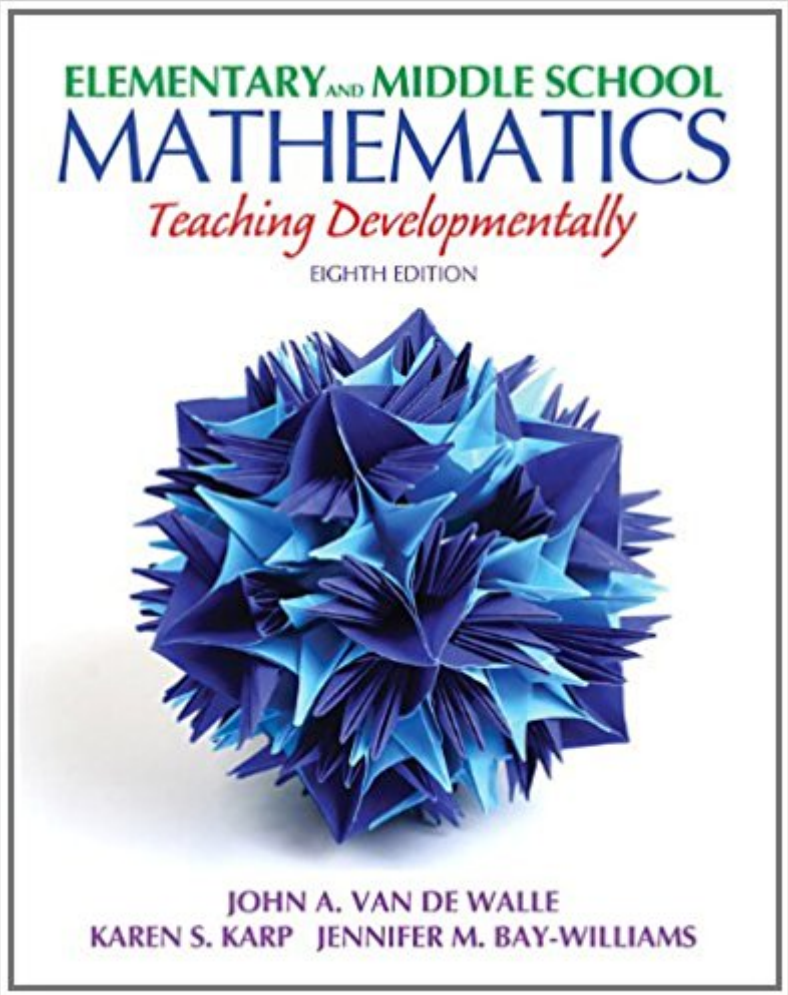
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Elementary And Middle School Mathematics: Teaching Developmentally (8th Edition) (Teaching Student-Centered Mathematics Series)




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Synopsis

Written by leaders in the field, this best-selling book will guide teachers as they help all Pre-K Ã¢â ¬â • 8 learners make sense of math by supporting their own mathematical understanding and effective planning and instruction.Ã Â Ã Â Elementary and Middle School Mathematics:Ã Â Teaching Developmentallywas written to help teacher candidates and practicing teachers understand mathematics and become more confident in their ability to teach the subject to children in pre-K through eighth grade.Ã Â Structured for easy reference, offering 23 chapters reflecting the latest research to consult throughout oneÃ¢â ¬â„¢s teaching career, the revised edition infuses NCTM and Common Core State Standards with the benefits of problem-based mathematics instruction. Ã Â The Eighth Edition better prepares teachers to teach mathematics to all learners by including new strategies for English language learners and students with disabilities. The amount of coverage relating to mathematics in early childhood has been increased. More activities infusing technology and samples of authentic student work are introduced. Increased emphasis on formative assessment, showcased with an icon and notes throughout, guide teachers to master this difficult practice.

Book Information

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Customer Reviews

John A. Van de Walle Ã Â The late John A. Van de Walle was a professor emeritus at Virginia Commonwealth University. He was a mathematics education consultant who regularly gave

professional development workshops for K-8 teachers in the United States and Canada. He visited and taught in elementary school classrooms and worked with teachers to implement student-centered math lessons. He co-authored the Scott Foresman-Addison Wesley Mathematics K-6 series and contributed to the Pearson School mathematics program, enVisionMATH. Additionally, he wrote numerous chapters and articles for the National Council of Teachers of Mathematics (NCTM) books and journals and was very active in NCTM, including serving on the Board of Directors, Chair of the Educational Materials Committee, and a frequent speaker at national and regional meetings. Ã Â Karen S. Karp Ã Â Karen S. Karp is a professor of mathematics education at the University of Louisville in Kentucky.Ã Â Prior to entering the field of teacher education she was an elementary school teacher in New York.Ã Â Karen is a co-author of Feisty Females: Inspiring Girls to Think Mathematically, which is aligned with her research interests on teaching mathematics to diverse populations. With Jennifer, Karen co-edited Growing Professionally: Readings from NCTM Publications for Grades K-8 and co-authored (along with Janet Caldwell) Developing Essential Understanding of Addition and Subtraction for Teaching Mathematics in Pre-K-Grade 2. She is a former member of the Board of Directors of the National Council of Teachers of Mathematics (NCTM) and a former president of the Association of Mathematics Teacher Educators (AMTE).Ã Â She continues to work inÃ Â classrooms with elementary and middle school students and with teachers at all levels who work with students with disabilities. Ã Â Jennifer M. Bay-Williams Ã Â Jennifer M. Bay-Williams is a professor of mathematics education at the University of Louisville (Kentucky). Jennifer has published many articles on teaching and learning in NCTM journals. She has also coauthored numerous books, including: Developing Essential Understanding of Addition and Subtraction for Teaching Mathematics in Pre-K-Grade 2, Math and Literature: Grades 6-8, Math and Nonfiction: Grades 6-8, and Navigating through Connections in Grades 6-8. She is the author of the Field Experience Guide for this book. Jennifer taught elementary, middle, and high school in Missouri and in Peru, and continues to work in classrooms at all levels with students and with teachers. Jennifer is on the Board of Directors for TODOS: Equity for All, Editor for the 2012 NCTM Yearbook, and past-president of the Association of Mathematics Teacher Educators (AMTE). Ã Â Jonathan Wray, technology contributor to Elementary and Middle School Mathematics, Teaching Developmentally (6th-8th editions). Ã Â Jonathan Wray is the Instructional Facilitator for Secondary Mathematics Curricular Programs in the Howard County Public School System. He is the president of the Association of Maryland Mathematics Teacher Educators (AMMTE) and past president of the Maryland Council of Teachers of Mathematics (MCTM). He has been recognized for

his expertise in infusing technology in mathematics teaching receiving the Outstanding Technology Leader in Education by the Maryland Society for Educational Technology (MSET). Jon is also actively engaged in NCTM, serving on the editorial panels of Teaching Children Mathematics and ON-Math . Mr. Wray Ã Â has been a primary and intermediate grades classroom teacher, gifted/talented resource teacher, elementary mathematics specialist, curriculum and assessment developer, grant project manager, and educational consultant.

I’m a math tutor looking for ideas on how to help weaker students "get" math. The book is very comprehensive and I do not have time to read it from cover to cover. So far I’ve only read the fractions, measurements and early number sense chapters and got many great ideas from those alone, which make this book worth the hefty price.I agree with most of the principles and ideas the authors put forth so far, but personally feel mastering the facts is more important than the authors say it is.I will update this review as I read more do the book.

Because was not selling the bonafide textbook in book form at a reasonable price, I decided to buy the one for students, which was somewhat reduced, but which only came in loose-leaf for. I actually know what happens to loose leaf paper, but I couldn’t afford the book. and I am not satisfied with it that form, but I had no choice. The pages keep wrinkling and folding at the corners because they’re loose. Tears happen easily also, and I’m constantly having to reinforce the loose-leaf holes because the pages are constantly tearing out of the loose leaf folder.Using a folder, which one must for a loose leaf paper, makes carrying it to school very bulky and heavy in combination with all my other books.The only satisfaction I feel is that at least I have the textbook contents. Other than that loose leaf versions are a bummer and I definitely do not recommend them if you can afford not to.

The book was required by my college class. I was very happy I used it because it equip me with the necessary theory and skills I need it for mathematics. I highly recommend it as it was easy reading and the price was great.

It certainly met my expectations and then some. I have not read the entire book but what I have studied has opened my eyes to innovative ways to understand, perceive, and, of course teach mathematics. I recommend this book for educators, home schoolers and parents interested in developing their math skills and those of their kids. This book carries a big punch! Buckle up and be ready to do some work. And most importantly, enjoy it. Via this source of communication, I would be

interested in what you think after reading and working a few chapters. Have a good day.

I can’t say that I loved it, because who really loves a college textbook? However, as far as textbooks go, this one is really well laid out. The best part is all of the examples, and the direct quotations of interactions between students and teachers. There is SO much content in here that it is hard to absorb it all. It helped me get a good understanding of how students think in the math classroom, and how important it is to give them a foundational understanding of mathematics rather than have them memorize facts and formulas. I would like a few more pictures, resources, and activities (maybe in a back index?), because the activities that are there are embedded in the text. It would be nice if they could all be seen together in one place.

This book DOES NOT WORK with KINDLE PC if you have version 8 or 10. I rented and then also bought this book to see if either would work and both times I had to get refunded. Call first before ordering if you are using this book on your PC. It may work on your phone but not the PC version!

In addition to using this wonderful textbook, I was also lucky enough to have Dr. Karp (one of the coauthors) as my math methods teacher while working on my Masters of Arts in Teaching for Elementary Education. This book really challenges your assumptions of what math is and how to best learn math. The book advocates for a problem-based approach. The job of the teacher then, is to create engaging problems that the students then attempt to solve in a way that they construct. Most often, this leads to the students constructing their own accurate algorithm for addition, multiplication, etc. The students I’ve worked with have been learning math in this new way for several years now and their problem-solving abilities are phenomenal. And really, the ability to solve problems is what we should be trying to teach students.If you want to move beyond teaching the algorithms and doing drill upon drill, this is the book for you.

Overall, this is a really great book for a beginner teacher such as myself. I know that it will be a valuable resource to me for years to come. My only complaint is that there are A LOT of typos in it - more than any other textbook I have ever encountered. The publisher/editor really needs to do a more thorough editing job before the next edition is released.

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