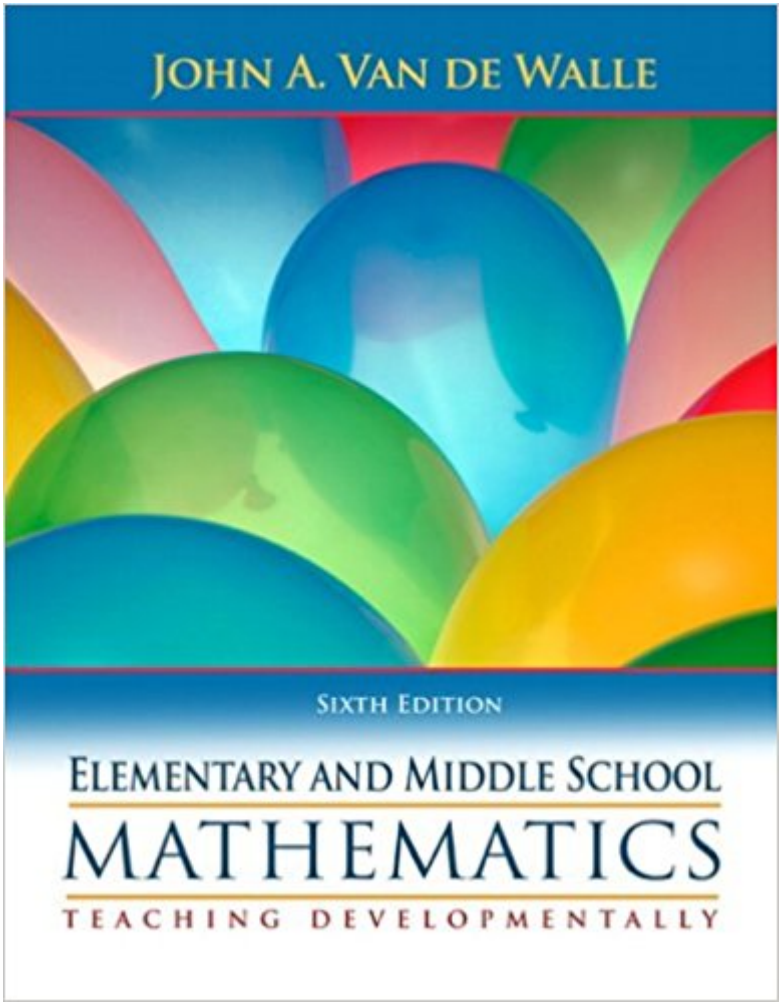
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Elementary And Middle School Mathematics: Teaching Developmentally



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Synopsis

This leading K-8 math methods text has the most coverage of the NCTM standards, the strongest coverage of middle school mathematics, and the highest student approval of any text currently available. Elementary and Middle School Mathematics provides an unparalleled depth of ideas and discussion to help students develop a real understanding of the mathematics they will teach. John Van de Walle, one of the foremost experts on how children learn mathematics, finds that 80 percent of the students who purchase this book keep it for reference when they begin their professional teaching careers. This text reflects the NCTM Principles and Standards and the benefits of constructivist-or student-centered-mathematics instruction. Moreover, it is structured for maximum flexibility, offering 24 brief, compartmentalized chapters that may be mixed and matched to fit any course or teaching approach.

Book Information

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Customer Reviews

A Message from the Author Research in mathematics education has consistently found that understanding and skills are best developed when students are allowed to wrestle with new ideas, to create and defend solutions to problems, and to participate in a mathematical community of learners. This student-centered, problem-based approach to learning is a central theme of this book. Learning how best to help children believe that mathematics makes sense and that they themselves can make sense of mathematics is an exciting endeavor and a lifelong process. It requires the knowledge gained from research, the wisdom shared by professional colleagues, and the insightful

ideas that come from your own daily experiences with students. I hope that this book will assist you on this fantastic journey. Praise for Elementary and Middle School Mathematics This is absolutely the best book on the market. No other book comes close.Ã¢â ¬â œSandra L. McCune, Stephen F. Austin University I particularly like the emphasis on doing math more than one way (invented math) and the emphasis on problem solving. There is a wealth of resources and childrenÃ¢â ¬â„¢s books for students to use in their development of concepts.Ã¢â ¬â œCarol Geller, Radford University This text is not only a valuable tool in making sense of and encouraging the use of mathematics by preservice teachers, but also for those educators already in the field. Ã¢â ¬â œMarilyn Nash, Indiana University South Bend About the AuthorJohn A. Van de Walle is Professor Emeritus, Virginia Commonwealth University. As a mathematics education consultant, he regularly works with KÃ¢â ¬â •8 teachers and in elementary school classrooms and has taught mathematics to children at all levels, KÃ¢â ¬â •8. He is also a coauthor of the Scott Foresman, Addison Wesley Mathematics K,6 series. Jennifer M. Bay-Williams has written a Field Experience Guide to accompany the text.Ã Â Organized to cover all NCATE and NCTM standards and correlated to all chapters of the text, the Field Experience Guide is packed with field-based assignments and reproducible forms to record your experiences.Ã Â The guide also includes additional activities for students, full-size versions of the Blackline Masters in the text, and 16 extended lesson plans written by John Van de Walle. For more information or to purchase a copy, visit www.ablongman.com and search for the ISBN (0-205-49314-9.

Math has never been a problem for me to understand and work with. However, teaching math is a different story. This book is a great book to help understand math concepts at a deeper level and in giving strategies in designing lesson plans to help deliver those concepts to students. Math will never become obsolete; so, the information and data in this book is a good resource for any teacher.

If you want kids to be able to do math on their own, truly understanding the concepts and able to apply them in real-life situations, this is your book!It covers everything from number concept development to algebra and more. I use this as a constant reference in my teaching.Through its techniques, I have been able to help many children play their way to math understanding that transfers!The techniques have been tried in real classrooms before they were put into this book. It comes with numerous black-line masters.This book has helped my own math weaknesses turn into strengths! I just thought I was bad at math, but this book showed me I just hadn’t developed certain

math concepts because I was only taught to follow algorithms.

I HAD to buy this book for college class. I'm NOT a math person, but this was an easy read.

I have only worked with this book for a few weeks but am very pleased with what I am experiencing. There are numerous graphs, suggestions with ways to engage students, and internet links are available for teaching suggestions and math games.This book clearly explains the material using visual supports like graphs and diagrams in bright colors. Internet sights for lesson suggestions, assessment and lesson reinforcing games. A great tool and a good resource that I plan to keep on hand.

Awsome!

A great book to keep as a reference while teaching! Teaching math through problem solving supports implementation of the standards of math practice required with Common Core State Standards.

good.

Everything was great!

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