



## Annual Perspectives in Mathematics Education 2014: Using Research to Improve Instruction

By Karen Karp, Amy Roth McDuffie

National Council of Teachers of Mathematics, U.S. Paperback. Book Condition: new. BRAND NEW, Annual Perspectives in Mathematics Education 2014: Using Research to Improve Instruction, Karen Karp, Amy Roth McDuffie, Improving Mathematics Instruction for All Students through Research-Based Approaches. Research has long been recognized as a key component to building effective mathematics education for all grades. This 2014 issue of Annual Perspectives in Mathematics Education (APME) focuses on the core of NCTM's mission since its inception: supporting teachers to improve instruction through research-based approaches. The 24 chapters, written by leading mathematics educators and researchers, are grouped into five topic areas: Change; Problem Solving; Reasoning, Explaining, and Discourse; Seeing Structure and Generalizing; and Assessment for Teaching and Learning. These five sections feature a wide range of subjects and approaches that include - \* how to create a classroom culture that encourages students to be persistent \* strategies for building on students' explanations in ways that invite them into discussions \* methods for improving proficiency with the Common Core Standards for Mathematical Practices \* ways to develop student mathematicians through formative assessment cycles \* a framework for turning mathematical errors into springboards for learning. The results of the research presented here are exciting and...

### Reviews

*This book will never be straightforward to start on reading through but quite enjoyable to learn. Better than never, though i am quite late in start reading this one. Your lifestyle span will probably be convert once you complete reading this publication.*

-- **Dr. Kadin Hane DVM**

*This publication may be worth purchasing. it was actually writtern quite flawlessly and valuable. I am just happy to tell you that this is actually the very best book i actually have study inside my personal life and can be he best ebook for actually.*

-- **Frank Nienow**