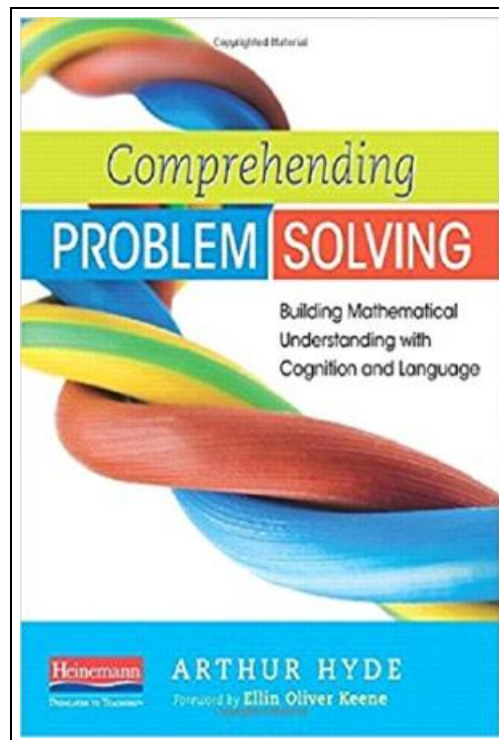# Comprehending Problem Solving: Building Mathematical Understanding with Cognition and Language

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Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf.
(Alfreda Bradtke)

COMPREHENDING PROBLEM SOLVING: BUILDING MATHEMATICAL UNDERSTANDING WITH COGNITION AND LANGUAGE

To save **Comprehending Problem Solving: Building Mathematical Understanding with Cognition and Language** eBook, make sure you access the web link beneath and download the ebook or gain access to additional information that are relevant to COMPREHENDING PROBLEM SOLVING: BUILDING MATHEMATICAL UNDERSTANDING WITH COGNITION AND LANGUAGE ebook.

Heinemann Educational Books, United States, 2014. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. Nationally recognized mathematics educator and author Art Hyde takes a culminating look at his thirty years of experience working with teachers and students to answer the question: In the Common Core era, what are the most successful practices for helping children solve mathematical problems with deep understanding? The key, he argues, is providing positive experiences with meaningful mathematics centered around rich activities. When students are given the opportunity to wrestle with appropriately difficult activities based on real life situations and intriguing contexts, they become excited about the math and willingly tackle problems with more zeal and accuracy than ever before. The result is deeper understanding of the content and greater skill at doing mathematics. Art draws on extensive research on how children learn and the relationship between reading and mathematical comprehension. His braided model of problem solving in which cognition, language, and mathematics are woven together intentionally forms the basis of math activities that he and numerous elementary teachers around the country have used. Look into the classrooms of some of these math teachers in this book, as they share their success stories illustrating the rewards of using these activities to foster deep mathematical understanding. Arthur Hyde is a professor of mathematics education at National Louis University, where he received its Excellence in Teaching award. While teaching high school mathematics in Philadelphia, he developed a variety of creative methods for teaching math. He also obtained a doctorate in curriculum and instruction from the University of Pennsylvania, where he later directed its teacher-education programs. He has worked frequently in elementary classrooms, conducting extensive professional development programs on teaching mathematics and math problem solving in Chicago and its surrounding school districts. His...

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