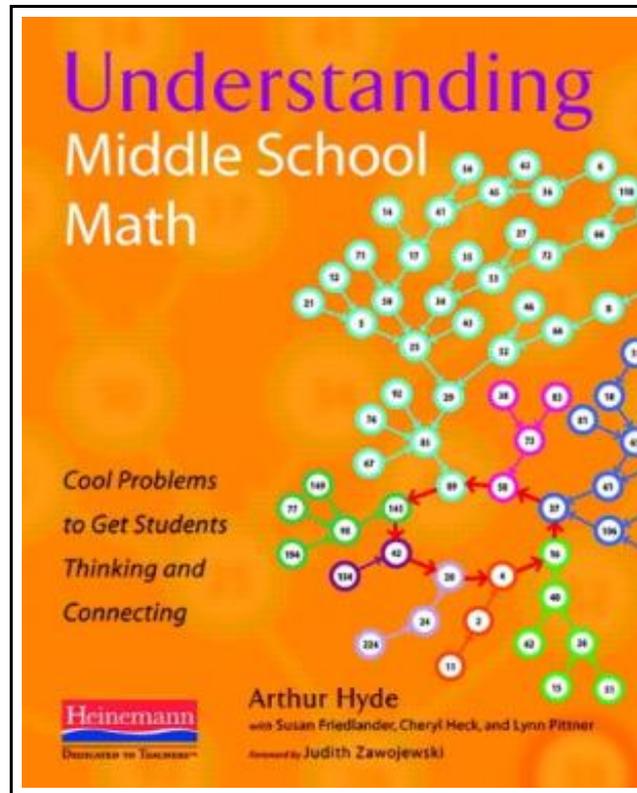


Understanding Middle School Math: Cool Problems to Get Students Thinking and Connecting



Filesize: 8.85 MB

Reviews

*Completely essential read through book. It normally is not going to charge an excessive amount of. I found out this book from my dad and i advised this pdf to find out.
(Madelyn Douglas)*

UNDERSTANDING MIDDLE SCHOOL MATH: COOL PROBLEMS TO GET STUDENTS THINKING AND CONNECTING



Heinemann. Paperback. Book Condition: New. Paperback. 280 pages. Dimensions: 9.1in. x 7.3in. x 0.7in. A book of cool problems for middle school mathematics classrooms—does it get any better? Yes, it does. Art Hyde and his colleagues go far beyond providing a collection of problems. They address big ideas, make connections, nurture the use of varied representations, and provide vivid accounts of actual classroom implementation. - Judith Zawojewski Board of Directors, NCTM Imagine handing students state-by-state data on the number of gallons of soft drinks sold per person in one year. Imagine using it to lead a vibrant problem-solving session in which students energetically pose and answer mathematical questions: Why does it say sold instead of consumed? What IS a soft drink? Is it the same as soda? Who would collect this kind of data? Why would they collect it? How was gallons per person calculated? What was the total amount of soda sold in our state? How many 12 ounce cans is that 20 ounce bottles? How many of each per person? Understanding Middle School Math gathers 50 cool problems like this that lead to deep thinking. Problems such as the Renovation Problem, in which students uncover ideas about how perimeter, area, length, and cost affect a construction project. Or Chocolate Algebra, where they discover linear relationships among the pocket money available to buy two differently priced chocolate candies. Arthur Hyde combines the latest research and decades of classroom experience to braid language, cognition, and math. His approach can help any student, including underprepared ones, with the rigors of math in middle school and beyond. He has created and adapted problems that strongly connect math to the real world, to students' lives, and to prior knowledge. Problems that scaffold content and processes, and give students multiple entry points into learning. Every problem...



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