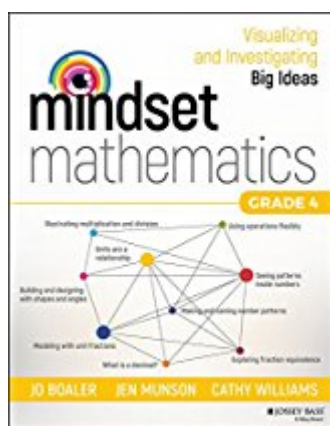


Reading Ebook Mindset Mathematics: Visualizing and Investigating Big Ideas, Grade 4 By Jo Boaler, Jen Munson, Cathy Williams



Engage students in mathematics using growth mindset techniques

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From the Back Cover Engage Your Students in Visual, Creative Explorations of the Big Ideas in Mathematics The Mindset Mathematics series offers a unique, research-based visual approach to exploring the big ideas in mathematics, which is essential to future mathematics success. This hands-on resource is for any teacher who wants to engage their fourth grade students in reasoning and persisting through problems and provides activities that will engage students' interest and show them the many ways that mathematics is important in their lives. During their work with tens of thousands of teachers, authors Jo Boaler, Jen Munson, and Cathy Williams heard the same message: Teachers want to incorporate more brain science into their mathematics instruction, but they need

guidance in the techniques that work best to promote learning of mathematics concepts. In this much-needed volume, the authors clearly show what the big ideas are at this grade level, why they are important to know, and how students can best learn those big ideas. Filled with engaging questions, open-ended tasks, and four-color visuals, Mindset Mathematics is designed to be flexible so that it can be used with any current curriculum. All of the activities and tasks include instructions for launching in the classroom, suggestions for facilitating dynamic discussions, and guidance for what to look for in student thinking as it develops. About the Author JO BOALER is a professor of mathematics education at Stanford University and co-founder and faculty director of youcubed. She serves as an advisor to several Silicon Valley companies and is a White House presenter on girls and STEM (Science, Technology, Engineering, and Math). The author of seven books, including Mathematical Mindsets, and numerous research articles, she is a regular contributor to news and radio in the United States and England. JEN MUNSON is a doctoral candidate at Stanford University, a professional developer, and a former classroom teacher. She works with teachers and school leaders across the U.S. to develop responsive, equitable mathematics instruction. CATHY WILLIAMS is the co-founder and the executive director of youcubed at Stanford University. Before working at youcubed she was a high school math teacher and worked in mathematics curriculum and administration at the county and district levels in California.

Customer Reviews Most helpful customer reviews 8 of 9 people found the following review helpful. This is one well thought out resource that delivers. By James C Brown This resource offers a way to incorporate visual strategies with mathematics. However, the book is also useful in developing speaking and listening skills, art, science, engineering, technology, and writing. There are patterns in everything around us. Jo Boaler, Jen Munson, and Kathy Williams have collectively assembled a series of research based approaches to how the brain works and learns. This is one well thought out resource that delivers. I highly recommend this book. See all 1 customer reviews...

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