

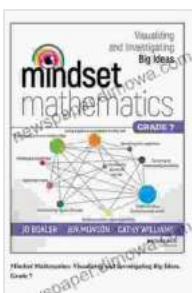
# Mindset Mathematics: Visualizing and Investigating Big Ideas

## Empower Students with a Growth Mindset for Mathematical Success

Mindset Mathematics is not just another math textbook. It is a revolutionary approach to teaching mathematics that focuses on developing students' mathematical mindsets. By encouraging students to believe that they can learn math, and by providing them with the tools and strategies they need to succeed, Mindset Mathematics helps students to unlock their mathematical potential.

## Visualizing and Investigating Big Ideas

One of the key features of Mindset Mathematics is its emphasis on visualizing and investigating big ideas. Students are not simply taught to memorize formulas and procedures. Instead, they are encouraged to explore mathematical concepts in depth and to develop their own understanding of how mathematics works.



## Mindset Mathematics: Visualizing and Investigating Big Ideas, Grade 7 by Jo Boaler

★★★★☆ 4.8 out of 5

Language	: English
File size	: 22954 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 293 pages
Lending	: Enabled

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The book provides numerous opportunities for students to visualize and investigate mathematical concepts. For example, students are asked to draw pictures to represent fractions, to create models to represent algebraic expressions, and to conduct experiments to test their hypotheses about geometric shapes.

**Drawing bar models from algebraic expressions  
(and explaining them in words)**

$3m + 8$        $3(m + 8)$

**I think of a number...**  
times by 3 and then add 8.      I add 8 and

## Developing a Growth Mindset

In addition to helping students to visualize and investigate big ideas, Mindset Mathematics also helps students to develop a growth mindset. A

growth mindset is the belief that intelligence can be developed through effort and hard work. Students with a growth mindset are more likely to persevere when faced with challenges and to view mistakes as opportunities for learning.

Mindset Mathematics is designed to help students develop a growth mindset by emphasizing the following principles:

- Everyone can learn math.
- Mistakes are an opportunity to learn.
- Effort and hard work pay off.
- Math is not just about memorizing rules.
- Math is a way of thinking and problem-solving.

## **Proven Results**

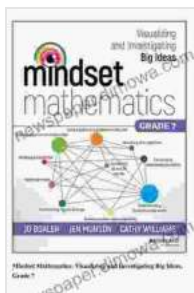
Mindset Mathematics has been shown to improve student outcomes in mathematics. Studies have found that students who use Mindset Mathematics are more likely to:

- Have a positive attitude towards mathematics.
- Be more engaged in mathematics lessons.
- Understand mathematical concepts more deeply.
- Perform better on standardized tests.

Mindset Mathematics is a powerful tool for helping students to succeed in mathematics. By encouraging students to visualize and investigate big

ideas, and by helping them to develop a growth mindset, Mindset Mathematics empowers students to unlock their mathematical potential.

To learn more about Mindset Mathematics, visit the website at <https://www.mindsetmath.com>.



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