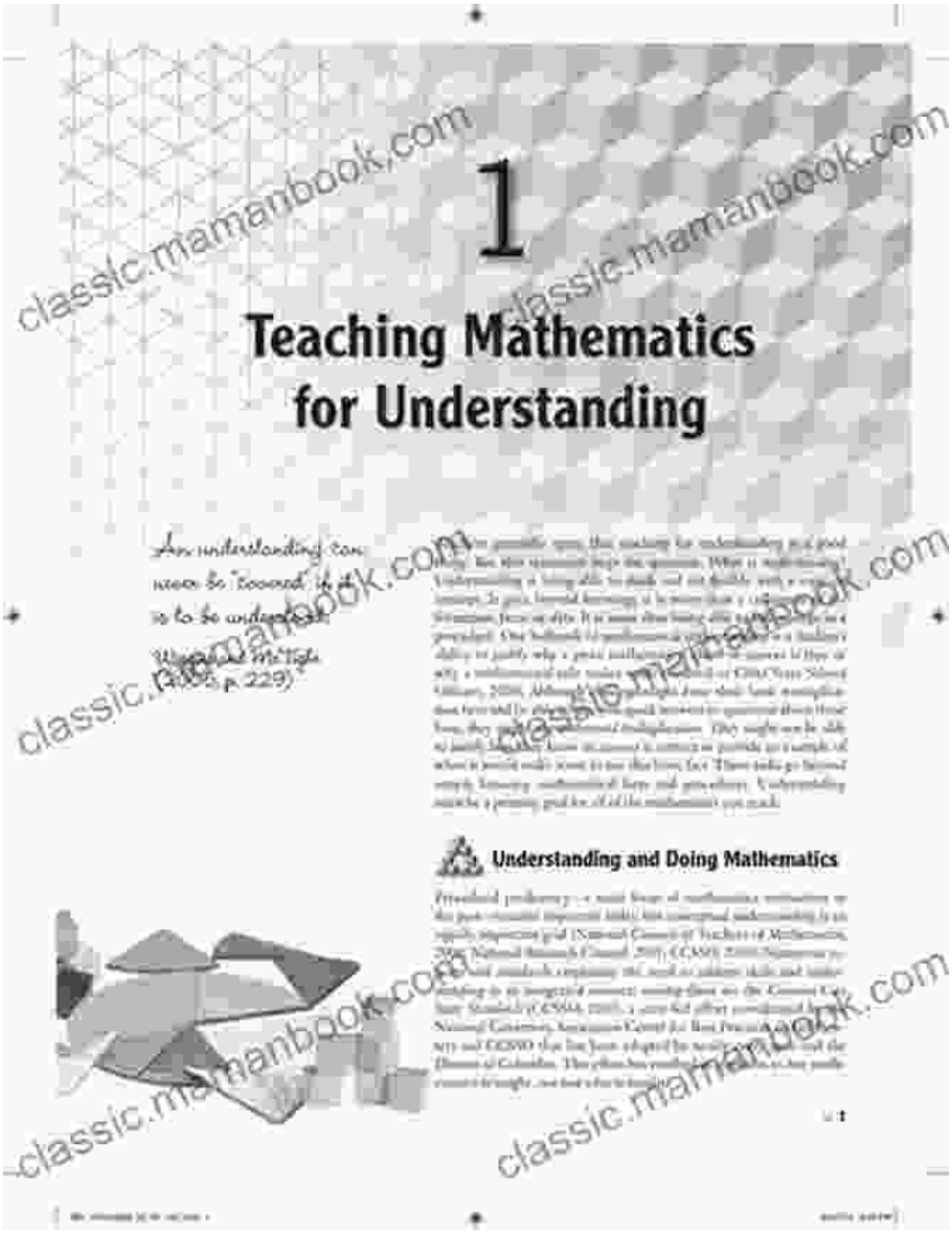
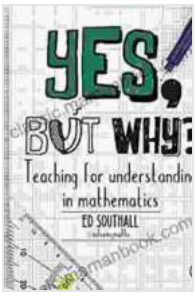
Yes But Why: Teaching for Understanding in Mathematics | Corwin Ltd.



Yes, but why? Teaching for understanding in mathematics (Corwin Ltd) by Ed Southall

4.2 out of 5

Language : English



File size	: 85523 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 400 pages
X-Ray for textbooks	: Enabled

About the Book

Yes But Why: Teaching for Understanding in Mathematics is a book by John Sweller that presents a new approach to teaching mathematics. Sweller argues that traditional methods of teaching mathematics, which focus on rote memorization and procedural fluency, are ineffective and can actually lead to students developing misconceptions about mathematics. Instead, he proposes a new approach to teaching mathematics that focuses on helping students to develop a deep understanding of mathematical concepts and relationships. This approach, known as the worked example effect, involves providing students with a series of carefully designed worked examples that demonstrate how to solve mathematical problems. By studying these worked examples, students can learn the underlying principles of mathematics and develop the skills they need to solve problems independently.

Yes But Why: Teaching for Understanding in Mathematics is a valuable resource for teachers who want to improve their teaching practice and help their students to learn mathematics more effectively.

Key Features

- Provides a clear and concise overview of the worked example effect.
- Offers practical advice on how to use the worked example effect in the classroom.
- Includes a wealth of examples and activities that can be used to teach mathematics for understanding.
- Written in a clear and engaging style that is accessible to teachers of all levels.

Benefits of Teaching for Understanding

There are many benefits to teaching mathematics for understanding, including:

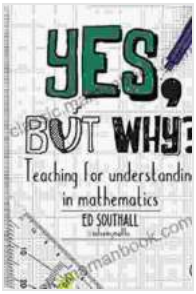
- **Students develop a deeper understanding of mathematical concepts and relationships.** This understanding allows them to solve problems more effectively and apply their knowledge to new situations.
- **Students become more confident in their ability to do mathematics.** When students understand the underlying principles of mathematics, they are less likely to be afraid of it and more likely to persevere when faced with challenges.
- **Students are more likely to enjoy mathematics.** When students understand mathematics, they can see the beauty and elegance of it. This can lead to a lifelong love of learning mathematics.

Yes But Why: Teaching for Understanding in Mathematics is a must-read for any teacher who wants to improve their teaching practice and help their students to learn mathematics more effectively. Sweller's approach to

teaching mathematics is based on solid research and has been shown to be effective in improving student learning. By using the worked example effect, teachers can help their students to develop a deep understanding of mathematical concepts and relationships, become more confident in their ability to do mathematics, and enjoy mathematics more.

Order Your Copy Today!

Click here to order your copy of **Yes But Why: Teaching for Understanding in Mathematics** today.



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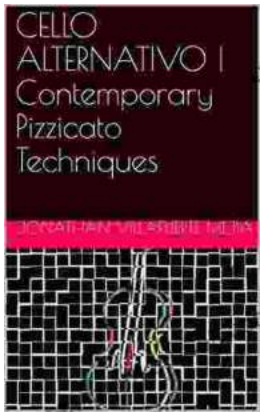

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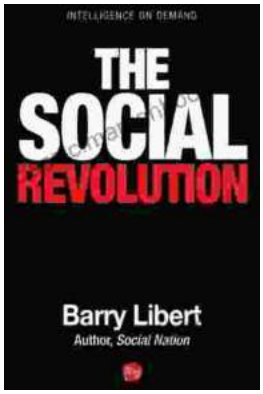

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