

Current Themes, Trends, and Research in Mathematics Education: ICME-13 Monographs

Overview

This book presents a comprehensive overview of the latest research and trends in mathematics education, with a focus on the teaching and learning of mathematics in primary, secondary, and higher education. The book is divided into five parts, each of which addresses a key aspect of mathematics education: Number and Algebra, Measurement and Geometry, Statistics and Probability, Teaching and Learning Mathematics, and Mathematics Education Beyond School. Each part contains a series of chapters written by experts in the field, who provide a detailed analysis of the research and trends in their respective areas.



Mathematical Problem Solving: Current Themes, Trends, and Research (ICME-13 Monographs)

by Peter Liljedahl

★★★★★ 5 out of 5

Language : English
File size : 26343 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 615 pages



Part 1: Number and Algebra

The first part of the book focuses on the teaching and learning of number and algebra. The chapters in this part cover a wide range of topics, including the development of number sense, the teaching of algebra, and the use of technology in mathematics education.

Part 2: Measurement and Geometry

The second part of the book focuses on the teaching and learning of measurement and geometry. The chapters in this part cover a wide range of topics, including the development of spatial reasoning, the teaching of geometry, and the use of manipulatives in mathematics education.

Part 3: Statistics and Probability

The third part of the book focuses on the teaching and learning of statistics and probability. The chapters in this part cover a wide range of topics, including the development of statistical thinking, the teaching of probability, and the use of data in mathematics education.

Part 4: Teaching and Learning Mathematics

The fourth part of the book focuses on the teaching and learning of mathematics. The chapters in this part cover a wide range of topics, including the role of the teacher, the use of assessment in mathematics education, and the use of technology in mathematics education.

Part 5: Mathematics Education Beyond School

The fifth part of the book focuses on mathematics education beyond school. The chapters in this part cover a wide range of topics, including the role of mathematics in the workplace, the use of mathematics in everyday life, and the use of mathematics in higher education.

This book is a valuable resource for anyone interested in the latest research and trends in mathematics education. The book provides a comprehensive overview of the field, and it is written by experts in the field. The book is also well-organized and easy to navigate. I highly recommend this book to anyone interested in mathematics education.

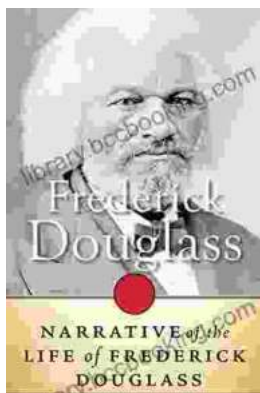


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