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Nota di contenuto	<p>""Cover""; ""Contents""; ""Prologue""; ""Acknowledgments""; ""About the Authors""; ""Chapter 1 - Numbers and Operations""; ""Grades PreK-2""; ""1. Encourage Young Children's Exploration and Understanding of Relationships among Numbers""; ""2. Encourage Young Children's Understanding of Addition and Subtraction and How They Relate To Each Other""; ""3. Encourage Young Children's Fluent Computation""; ""Grades 3-5""; ""4. Encourage an Understanding of the Structure of Numbers and Relationships among Numbers""</p> <p>""5. Encourage an Understanding of the Meanings of Multiplication and Division and How They Relate To Each Other""""6. Encourage Students to Compute Fluently and Make Reasonable Estimates""; ""Chapter 2 - Algebra""; ""Grades PreK-2""; ""7. Encourage Young Children's Systematic Sorting and Classification as They Work with a Variety of Patterns, Geometric Shapes, and Data""; ""8. Encourage Young Children's Systematic Exploration of the General Principles and Properties of Operations Such as Addition and Subtraction""; ""Grades 3-5""</p> <p>""9. Encourage the Expression and Generalization of Mathematics Relationships""""10. Encourage Further Understanding of Multiplicative Structures through Application and Analysis of the Distributivity of</p>

Multiplication Over Addition"; "Chapter 3 - Geometry"; "Grades PreK-2"; "11. Encourage Young Children's Exploration of Characteristics and Properties of Two- and Three-Dimensional Shapes"; "12. Encourage Young Children's Application of Similarity Transformations to Analyze Geometric Situations"; "13. Encourage Young Children's Use of Visualization and Spatial Reasoning in Their Exploration of Geometric Shapes"; "Grades 3-5"; "14. Encourage Students' Exploration and Mathematical Analysis of the Properties of Two-Dimensional Geometric Shapes"; "15. Encourage Students' Use of Geometric Transformations to Analyze Mathematical Situations"; "16. Encourage Students' Use of Visualization, Spatial Reasoning, and Geometric Modeling to Solve Problems"; "Chapter 4 - Measurement"; "Grades PreK-2"; "17. Encourage Young Children's Exploration and Understanding of Measurement Concepts and Relationships"; "18. Encourage Young Children to Accurately Apply Appropriate Tools and Techniques to Linear Measurement"; "Grades 3-5"; "19. Encourage Students' Exploration and Understanding of Measurement Concepts and Relationships"; "20. Encourage Students' Appropriate Application of Conventional Measuring Tools in Varied Situations"; "Chapter 5 - Data Analysis and Probability"; "Grades PreK-2"; "21. Encourage Young Children's Collection, Display, and Organization of Objects and Data"

Sommario/riassunto

The authors present dynamic learning activities with research-based strategies and sources for further reading to increase students' confidence in math while effectively addressing NCTM standards.