

*Teaching Mathematics in Grades K–8:*  
*Research-Based Methods*  
Allyn and Bacon, Inc.

**Contents**

1. Some Notes on the Nature of Mathematics Learning
2. Planning for Mathematics Instruction
3. Problem Solving
4. Foundational Ideas in Teaching About Measure
5. Arithmetic Operations on Whole Numbers: Addition and Subtraction
6. Arithmetic Operations on Whole Numbers: Multiplication and Division
7. Teaching Rational Number and Decimal Concepts
8. Geometry and Visual Thinking
9. Estimation
10. Ratios and Proportional Thinking
11. Developing Relationships Among Mathematics and Other Subjects:
12. Calculators and Computers
13. Moving to Algebraic Thought
14. Girls, Boys, and Mathematics
15. Mathematical Evaluation and Remediation