



Mathematics for Elementary Teachers: A Contemporary Approach

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Wiley, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface.1. Introduction to Problem Solving.1.1 The Problem Solving Process and Strategies.1.2 Three Additional Strategies.2. Sets, Whole Numbers, and Numeration.2.1 Sets as a Basis for Whole Numbers.2.2 Whole Numbers and Numeration.2.3 The Hindu-Arabic System.2.4 Relations and Functions.3. Whole Numbers: Operations and Properties.3.1 Addition and Subtraction.3.2 Multiplication and Division.3.3 Ordering and Exponents.4. Whole Number Computation: Mental, Electronic, and Written.4.1 Mental Math, Estimation, and Calculators.4.2 Written Algorithms for Whole-Number Operations.4.3 Algorithms in Other Bases.5. Number Theory.5.1 Primes, Composites, and Tests for Divisibility.5.2 Counting Factors, Greatest common Factor, and Least Common Multiple.6. Fractions.6.1 The Sets of Fractions.6.2 Fractions: Addition and Subtraction.6.3 Fractions: Multiplication and Division.7. Decimals, Ratio, Proportion, and Percent.7.1 Decimals.7.2 Operations with decimals.7.3 Ratios and Proportion.7.4 Percent.8. Integers.8.1 Addition and Subtraction.8.2 Multiplication, Division and Order.9. Rational Numbers, Real Numbers and Algebra.9.1 The Rational Numbers.9.2 The Real Numbers.9.3 Functions and Their Graphs.10. Statistics.10.1 Organizing and Picturing Information.10.2 Analyzing Data.10.3 Misleading Graphs and Statistics.11. Probability.11.1 Probability and Simple Experiments.11.2 Probability and Complex Experiments.11.3 Additional Counting Techniques.11.4 Simulation. Expected Value.



Reviews

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