



## Mathematical Ideas

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Addison Wesley, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1 The Art of Problem Solving 1.1 Solving Problems by Inductive Reasoning 1.2 An Application of Inductive Reasoning: Number Patterns 1.3 Strategies for Problem Solving 1.4 Calculating, Estimating, and Reading Graphs Extension: Using Writing to Learn About Mathematics Collaborative Investigation: Discovering Patterns in Pascals Triangle Chapter 1 Test 2 The Basic Concepts of Set Theory 2.1 Symbols and Terminology 2.2 Venn Diagrams and Subsets 2.3 Set Operations and Cartesian Products 2.4 Surveys and Cardinal Numbers 2.5 Infinite Sets and Their Cardinalities Collaborative Investigation: Surveying the Members of your Class Chapter 2 Test 3 Introduction to Logic 3.1 Statements and Quantifiers 3.2 Truth Tables and Equivalent Statements 3.3 The Conditional and Circuits 3.4 More on the Conditional 3.5 Analyzing Arguments with Euler Diagrams Extension: Logic Problems and Sudoku 3.6 Analyzing Arguments with Truth Tables Collaborative Investigation: Logic Problems and Sudoku Revisited Chapter 3 Test 4 Numeration and Mathematical Systems 4.1 Historical Numeration Systems 4.2 Arithmetic in the Hindu-Arabic System 4.3 Conversion between Number Bases 4.4 Clock Arithmetic and Modular Systems 4.5 Properties of Mathematical Systems 4.6 Groups Collaborative Investigation: A Perpetual Calendar Algorithm Chapter...



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