



Nature of Mathematics (11th Edition)

By Smith, Karl J.

Cengage Learning, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!
Summary: 1. THE NATURE OF PROBLEM SOLVING. Problem Solving. Inductive and Deductive Reasoning. Scientific Notation and Estimation. 2. THE NATURE OF SETS. Sets, Subsets, and Venn Diagrams. Operations with Sets. Applications of Sets. Finite and Infinite. 3. THE NATURE OF LOGIC. Deductive Reasoning. Truth Tables and the Conditional. Operators and Laws of Logic. The Nature of Proof. Problem Solving Using Logic. Logic Circuits. 4. THE NATURE OF NUMERATION SYSTEMS. Early Numeration Systems. Hindu-Arabic Numeration Systems. Different Numeration Systems. Binary Numeration System. History of Calculating Devices. 5. THE NATURE OF NUMBERS. Natural Numbers. Prime Numbers. Integers. Rational Numbers. Irrational Numbers. Groups, Fields, and Real Numbers. Discrete Mathematics. Cryptography. 6. THE NATURE OF ALGEBRA. Polynomials. Factoring. Evaluation, Applications, and Spreadsheets. Equations. Inequalities. Algebra in Problem Solving. Ratios, Proportions, and Problem Solving. Percents. Modeling Uncategorized Problems. 7. THE NATURE OF GEOMETRY. Geometry. Polygons and Angles. Triangles. Similar Triangles. Right Triangle Trigonometry. Golden Rectangles. Projective and Non-Euclidian Geometries. 8. THE NATURE OF MEASUREMENT. Perimeter. Area. Surface Area, Volume and Capacity. Miscellaneous Measurements. 9. THE NATURE OF GROWTH. Exponential Equations. Logarithmic Equations. Applications of Growth and Decay. 10. THE...

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