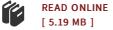


The Nature of Problem Solving in Geometry and Probability: A Liberal Arts Approach (with InfoTrac)

By Smith, Karl J.

Cengage Learning, 2003. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Prologue Why Math? An Historical Overview. 1. THE NATURE OF PROBLEM SOLVING. Problem Solving. Inductive and Deductive Reasoning. Scientific Notation and Estimation. Finite and Infinite. 2. 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. 3. THE NATURE OF SET THEORY AND COUNTING. Sets, Subsets, and Venn Diagrams. Combined Operations with Sets. Counting Formulas. Permutations. Combinations. Binomial Theorem. Counting without Counting. Rubik''s Cube and Instant Insanity. 4. THE NATURE OF PROBABILITY. Introduction to Probability. Mathematical Expectation. Probability Models. Calculated Probabilities. Binomial Probabilities. Guest Essay: Extrasensory Perception. 5. THE NATURE OF STATISTICS. Frequency Distributions and Graphs. Measures of Central Tendency. Measures of Dispersion. The Normal Curve. Correlation and Regression. Polls and Margin of Error. 6. THE NATURE OF GEOMETRY. Geometry. Polygons and Angles. Triangles. Similar Triangles. Right Triangle Trigonometry. Golden Rectangles. Projective and Non-Euclidian Geometries. 7. THE NATURE OF MEASUREMENT. Perimeter. Area. Surface Area, Volume and Capacity. Miscellaneous Measurements. 8. THE NATURE OF GROWTH. Logarithms and Exponents. Exponential Equations. Logarithmic Equations. Applications of Growth and Decay. 9....



Reviews

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This is actually the very best book i actually have read till now. This is for all those who statte that there was not a worth studying. Its been written in an remarkably straightforward way which is merely following i finished reading this publication by which in fact altered me, modify the way i believe. -- **Mr. Jeramy Leuschke IV**

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