

T101-T102-T103 Topics

NEW TEXTBOOK; In use for T101-T103 sequence beginning Fall 09
Mathematics for Elementary Teachers: An Activity Approach, 8/e
By Bennett, / Burton/ Nelson

T101

Chapter 1: Problem Solving
Chapter 2: Sets, Functions, and Reasoning
Chapter 3: Whole Numbers
Chapter 4: Number Theory

T102

Chapter 5: Integers and Fractions
Chapter 6: Decimals: Rational and Irrational
Chapter 7: Statistics
Chapter 8: Probability

T103

Chapter 9: Geometric Figures
Chapter 10: Measurement
Chapter 11: Motions in Geometry



OLD TEXTBOOK: A Problem Solving Approach to Mathematics for Elementary School Teachers by Rick Billstein, Shlomo Libeskind, Johnny W. Lott

T101

Chapter 1: Problem Solving, Explorations with Patterns, Algebraic Thinking, Introduction to Logic
Chapter 2: Sets, Sets Operations, Operations with Whole Numbers, Functions
Chapter 3: Numeration Systems, Operations with Whole Numbers, Mental Mathematics and Estimation
Chapter 4: Operations with Integers, Divisibility, Prime and composite numbers, Greatest common Divisor, Least common Multiple, Clock Arithmetic

T102

Chapter 5: Operations with Rational Numbers, Proportions
Chapter 6: Decimals, Percents, and Real Numbers
Chapter 7: Probability
Chapter 8: Data Analysis, graphs, Measures of Central Tendency and Variation, Abuses of Statistics

T103

Chapter 9: Introductory Geometry
Chapter 10: Constructions, Congruence, and Similarity
Chapter 11: Concepts of Measurement
Chapter 12: Motion Geometry and Tessellations