



Notes:

Notes:		Test Proportion				
SUBAREA I—MATHEMATICAL REASONING, PROBLEM SOLVING, AND METHODS, NUMBER CONCEPTS, AND THE HISTORICAL DEVELOPMENT OF MATHEMATICS		25				
0001	Understand and apply problem-solving strategies, connections among different mathematical ideas, and mathematical modeling to solve application problems encountered in life.					
0002	Understand principles of mathematical reasoning and techniques for communicating mathematical ideas.					
0003	Understand the development of mathematical concepts, skills, and applications from their origins to current times, including the role of technology.					
SUBAREA II—NUMBER SYSTEMS, NUMBER CONCEPTS, AND NUMBER THEORY		17				
0004	Understand number systems, number theory, and ways of representing numbers.					
0005	Understand operations on numbers and properties of number operations.					
SUBAREA III—GEOMETRY AND MEASUREMENT		17				
0006	Apply geometric concepts and reasoning, including two- and three-dimensional coordinate geometry.					
0007	Understand and use measurement.					
SUBAREA IV—DATA ANALYSIS, STATISTICS, AND PROBABILITY		16				
0008	Understand methods of collecting, organizing, displaying, describing, and analyzing data.					
0009	Understand the theory of probability and probability distributions.					
SUBAREA V—PATTERNS, ALGEBRAIC RELATIONSHIPS, AND FUNCTIONS		25				
0010	Describe, analyze, and generalize mathematical patterns.					
0011	Use variables and symbolic expressions to describe and analyze patterns of change, functions, and relationships among variables.					
0012	Understand properties and applications of linear, quadratic, exponential, and trigonometric functions and solve related equations and inequalities.					

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