

Standards**Grade Five Mathematics**

Standard 1 : Mathematical Processes	Level 1	GLE 0506.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning. GLE 0506.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely.
	Level 2	GLE 0506.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies. GLE 0506.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.
	Level 3	GLE 0506.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas. GLE 0506.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions. GLE 0506.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world.
	Level 4	GLE 0506.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.

Standard 2: Number and Operations	Level 1	GLE 0506.2.1 Extend the understanding of place value through millions and millionths in various contexts and representations. GLE 0506.2.2 Write natural numbers (to 50) as a product of prime factors and understand that this is unique (apart from order).
	Level 2	GLE 0506.2.3 Develop fluency with division of whole numbers. Understand the relationship of divisor, dividend, and quotient in terms of multiplication and division.
	Level 3	GLE 0506.2.4 Develop fluency with addition and subtraction of proper and improper fractions and mixed numbers; explain and model the algorithm. GLE 0506.2.5 Develop fluency in solving multi-step problems using whole numbers, fractions, mixed numbers, and decimals.
	Level 4	THIS LEVEL IS NOT REPRESENTED AT THIS GRADE

Standard 3 : Algebra	Level 1	GLE 0506.3.1 Understand and use order of operations. GLE 0506.3.2 Develop and apply the concept of variable. GLE 0506.3.3 Understand and apply the substitution property.
	Level 2	GLE 0506.3.4 Solve single-step linear equations and inequalities.
	Level 3	THIS LEVEL IS NOT REPRESENTED AT THIS GRADE
	Level 4	THIS LEVEL IS NOT REPRESENTED AT THIS GRADE

Standard 4 : Geometry and Measurement	Level 1	GLE 0506.4.3 Describe length/distance relationships using the first quadrant of the coordinate system.
	Level 2	THIS LEVEL IS NOT REPRESENTED AT THIS GRADE
	Level 3	GLE 0506.4.1 Use basic formulas and visualization to find the area of geometric figures. GLE 0506.4.2 Describe polyhedral solids and analyze their properties, including volume and surface area.
	Level 4	GLE 0506.4.4 Solve problems that require attention to both approximation and precision of measurement.

Standard 5 : Data, Probability, and Statistics	Level 1	THIS LEVEL IS NOT REPRESENTED AT THIS GRADE
	Level 2	GLE 0506.5.1 Make, record, display and interpret data and graphs that include whole numbers, decimals, and fractions.
	Level 3	GLE 0506.5.2 Describe the shape and important features of a set of data using the measures of central tendency.
	Level 4	THIS LEVEL IS NOT REPRESENTED AT THIS GRADE