

STAAR Alternate 2 Spring 2016 Grade 7 Mathematics Essence Statements

STAAR Reporting Category 1	STAAR Reporting Category 2	STAAR Reporting Category 3	STAAR Reporting Category 4
<p>Probability and Numerical Representations: The student will demonstrate an understanding of how to represent probabilities and numbers.</p>	<p>Computations and Algebraic Relationships: The student will demonstrate an understanding of how to perform operations and represent algebraic relationships.</p>	<p>Geometry and Measurement: The student will demonstrate an understanding of how to represent and apply geometry and measurement concepts.</p>	<p>Data Analysis and Personal Financial Literacy: The student will demonstrate an understanding of how to represent and analyze data and how to describe and apply personal financial concepts.</p>
<p>Knowledge and Skills Statement (7.2) Number and operations. The student applies mathematical process standards to represent and use rational numbers in a variety of forms. (Supporting Standard)</p> <p>Essence Statement Models relationships between sets of numbers.</p> <hr/> <p>Knowledge and Skills Statement (7.6) Proportionality. The student applies mathematical process standards to use probability and statistics to describe or solve problems involving proportional relationships. (Readiness and Supporting Standard)</p> <p>Essence Statement Uses probability to solve problems involving proportional relationships.</p>	<p>Knowledge and Skills Statement (7.3) Number and operations. The student applies mathematical process standards to add, subtract, multiply, and divide while solving problems and justifying solutions. (Readiness and Supporting Standard)</p> <p>Essence Statement Finds solutions to addition, subtraction, multiplication, or division problems.</p> <hr/> <p>Knowledge and Skills Statement (7.4) Proportionality. The student applies mathematical process standards to represent and solve problems involving proportional relationships. (Readiness and Supporting Standard)</p> <p>Essence Statement Solves problems involving ratios, rates, or percents.</p> <hr/> <p>Knowledge and Skills Statement (7.7) Expressions, equations, and relationships. The student applies</p>	<p>Knowledge and Skills Statement (7.9) Expressions, equations, and relationships. The student applies mathematical process standards to solve geometric problems. (Readiness and Supporting Standard)</p> <p>Essence Statement Solves problems involving circumference, area, or volume of two- or three- dimensional geometric figures.</p>	<p>Knowledge and Skills Statement (7.6) Proportionality. The student applies mathematical process standards to use probability and statistics to describe or solve problems involving proportional relationships. (Readiness Standard)</p> <p>Essence Statement Solves problems using data represented in graphs.</p> <hr/> <p>Knowledge and Skills Statement (7.12) Measurement and data. The student applies mathematical process standards to use statistical representations to analyze data. (Readiness and Supporting Standard)</p> <p>Essence Statement Interprets data in graphs.</p> <hr/> <p>Knowledge and Skills Statement (7.13) Personal financial literacy. The student applies mathematical process standards to develop an economic way of thinking and</p>

	<p>mathematical process standards to represent linear relationships using multiple representations. (Readiness Standard)</p> <p>Essence Statement Shows linear relationships using a variety of forms.</p> <hr/> <p>Knowledge and Skills Statement (7.11) Expressions, equations, and relationships. The student applies mathematical process standards to solve one-variable equations and inequalities. (Readiness and Supporting Standard)</p> <p>Essence Statement Uses equations or inequalities to model and solve problems.</p>		<p>problem solving useful in one's life as a knowledgeable consumer and investor. (Supporting Standard)</p> <p>Essence Statement Recognizes ways to increase or decrease income and expenses.</p>
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