

STAAR Alternate 2 Spring 2016 Grade 6 Mathematics Essence Statements

STAAR Reporting Category 1	STAAR Reporting Category 2	STAAR Reporting Category 3	STAAR Reporting Category 4
<p>Numerical Representations and Relationships: The student will demonstrate an understanding of how to represent and manipulate numbers and expressions.</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 (6.2) Number and operations. The student applies mathematical process standards to represent and use rational numbers in a variety of forms (Readiness and Supporting Standard)</p> <p>Essence Statement Recognizes relationships in and between sets of numbers.</p> <hr/> <p>Knowledge and Skills Statement (6.4) Proportionality. The student applies mathematical process standards to develop an understanding of proportional relationships in problem situations. (Readiness and Supporting Standard)</p> <p>Essence Statement Identifies proportional relationships in a variety of forms.</p> <hr/> <p>Knowledge and Skills Statement (6.5) Proportionality. The student applies mathematical process standards to solve problems involving proportional relationships (Supporting Standard)</p>	<p>Knowledge and Skills Statement (6.3) Number and operations. The student applies mathematical process standards to represent addition, subtraction, multiplication, and division 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 (6.5) Proportionality. The student applies mathematical process standards to solve problems involving proportional relationships. (Readiness and Supporting Standard)</p> <p>Essence Statement Solves problems involving ratios or rates.</p> <hr/> <p>Knowledge and Skills Statement (6.6) Expressions, equations, and relationships. The student applies mathematical process standards to</p>	<p>Knowledge and Skills Statement (6.4) Proportionality. The student applies mathematical process standards to develop an understanding of proportional relationships in problem situations. (Readiness Standard)</p> <p>Essence Statement Uses conversions within a measurement system to solve problems.</p> <hr/> <p>Knowledge and Skills Statement (6.8) Expressions, equations, and relationships. The student applies mathematical process standards to use geometry to represent relationships and solve problems. (Readiness and Supporting Standard)</p> <p>Essence Statement Models or uses geometric relationships to solve problems.</p> <hr/> <p>Knowledge and Skills Statement (6.11) Measurement and data. The student applies mathematical process standards to use coordinate geometry to identify locations on a</p>	<p>Knowledge and Skills Statement (6.12) Measurement and data. The student applies mathematical process standards to use numerical or graphical representations to analyze problems. (Readiness and Supporting Standard)</p> <p>Essence Statement Displays data or determines characteristics of data.</p> <hr/> <p>Knowledge and Skills Statement (6.13) Measurement and data. The student applies mathematical process standards to use numerical or graphical representations to solve problems. (Readiness and Supporting Standard)</p> <p>Essence Statement Interprets graphical representation of data.</p> <hr/> <p>Knowledge and Skills Statement (6.14) Personal financial literacy. The student applies mathematical process standards to develop an economic way of thinking and problem solving useful in one's life as a knowledgeable consumer and</p>

<p>Essence Statement Recognizes equal parts of a whole using equivalent fractions.</p> <hr/> <p>Knowledge and Skills Statement (6.7) Expressions, equations, and relationships. The student applies mathematical process standards to develop concepts of expressions and equations. (Readiness and Supporting Standard)</p> <p>Essence Statement Determines equivalent expressions and equations.</p>	<p>use multiple representations to describe algebraic relationships. (Readiness and Supporting Standard)</p> <p>Essence Statement Identifies linear relationships in a variety of forms.</p>	<p>plane. (Readiness Standard)</p> <p>Essence Statement Locates points on a coordinate plane.</p>	<p>investor. (Supporting Standard)</p> <p>Essence Statement Recognizes good decisions related to income and expenses.</p>
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