

# STAAR Alternate 2 Spring 2016

## Grade 3 Mathematics Essence Statements

STAAR Reporting Category 1	STAAR Reporting Category 2	STAAR Reporting Category 3	STAAR Reporting Category 4
<p><b>Numerical Representations and Relationships:</b> The student will demonstrate an understanding of how to represent and manipulate numbers and expressions.</p>	<p><b>Computations and Algebraic Relationships:</b> The student will demonstrate an understanding of how to perform operations and represent algebraic relationships.</p>	<p><b>Geometry and Measurement:</b> The student will demonstrate an understanding of how to represent and apply geometry and measurement concepts.</p>	<p><b>Data Analysis and Personal Financial Literacy:</b> The student will demonstrate an understanding of how to represent and analyze data and how to describe and apply personal financial concepts.</p>
<p><b>Knowledge and Skills Statement</b></p> <p><b>(3.2) Number and operations.</b> The student applies mathematical process standards to represent and compare whole numbers and understand relationships related to place value. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Uses whole number relationships to demonstrate an understanding of place value.</p> <hr/> <p><b>Knowledge and Skills Statement</b></p> <p><b>(3.3) Number and operations.</b> The student applies mathematical process standards to represent and explain fractional units. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Models and finds relationships among fractional units. .</p> <hr/> <p><b>Knowledge and Skills Statement</b></p> <p><b>(3.4) Number and operations.</b> The student applies</p>	<p><b>Knowledge and Skills Statement</b></p> <p><b>(3.4) Number and operations.</b> The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Solves problems using operations involving whole numbers.</p> <hr/> <p><b>Knowledge and Skills Statement</b></p> <p><b>(3.5) Algebraic reasoning.</b> The student applies mathematical process standards to analyze and create patterns and relationships. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Models or solves problems involving whole number relationships.</p>	<p><b>Knowledge and Skills Statement</b></p> <p><b>(3.6) Geometry and measurement.</b> The student applies mathematical process standards to analyze attributes of two-dimensional geometric figures to develop generalizations about their properties. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Identifies geometric figures using attributes.</p> <hr/> <p><b>Knowledge and Skills Statement</b></p> <p><b>(3.7) Geometry and measurement.</b> The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving customary and metric measurement. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Solves problems involving perimeter, time, liquid volume (capacity), or weight.</p>	<p><b>Knowledge and Skills Statement</b></p> <p><b>(3.4) Number and operations.</b> The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy. (Supporting Standard)</p> <p><b>Essence Statement</b> Solves problems involving collections of coins and bills.</p> <hr/> <p><b>Knowledge and Skills Statement</b></p> <p><b>(3.8) Data analysis.</b> The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data. (Readiness and Supporting Standard)</p> <p><b>Essence Statement</b> Uses graphs to organize and interpret data.</p> <hr/> <p><b>Knowledge and Skills Statement</b></p> <p><b>(3.9) Personal financial</b></p>

mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy. (Supporting Standard)

**Essence Statement**

Identifies even or odd numbers.

**literacy.** The student applies mathematical process standards to manage one's financial resources effectively for lifetime financial security. (Supporting Standard)

**Essence Statement**

Recognizes how money can be earned, spent, and saved.