

## STAAR Alternate 2 Spring 2022 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 (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)  <b>Essence Statement</b>            Uses whole number relationships to demonstrate an understanding of place value.</p> <p><b>Knowledge and Skills Statement (3.3) Number and operations.</b> The student applies mathematical process standards to represent and explain fractional units. (Readiness and Supporting Standard)  <b>Essence Statement</b>            Models and finds relationships among fractional units.</p> <p><b>Knowledge and Skills Statement (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. (Supporting Standard)  <b>Essence Statement</b>            Uses number lines to show fractions as distances from zero.</p>	<p><b>Knowledge and Skills Statement (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)  <b>Essence Statement</b>            Solves problems using operations involving whole numbers.</p> <p><b>Knowledge and Skills Statement (3.5) Algebraic reasoning.</b> The student applies mathematical process standards to analyze and create patterns and relationships. (Readiness and Supporting Standard)  <b>Essence Statement</b>            Models or solves problems involving whole number relationships.</p>	<p><b>Knowledge and Skills Statement (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)  <b>Essence Statement</b>            Identifies geometric figures using attributes.</p> <p><b>Knowledge and Skills Statement (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)  <b>Essence Statement</b>            Solves problems involving perimeter, time, liquid volume (capacity), or weight.</p>	<p><b>Knowledge and Skills Statement (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)  <b>Essence Statement</b>            Solves problems involving collections of coins and bills.</p> <p><b>Knowledge and Skills Statement (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)  <b>Essence Statement</b>            Uses graphs to organize and interpret data.</p>