State of Texas Assessments of Academic Readiness (STAAR®)
Performance Level Descriptors
Grade 3 Mathematics

Performance Level Descriptors
The mathematical process skills describe ways in which students are expected to engage in the content. They are not assessed in isolation but are incorporated into questions that assess grade 3 content. The process skills focus on applying mathematics to solve problems, analyze mathematical relationships, and communicate mathematical ideas.

Students achieving Masters Grade Level Performance can

- Evaluate the reasonableness of solutions of two-step application problems involving addition and subtraction of whole numbers
- Represent addition, subtraction, multiplication, and division problems with equations
- Apply an understanding of fractions to reason about their size
- Apply fractional understanding to measurement concepts
- Solve problems involving elapsed time beyond one hour

Students achieving Meets Grade Level Performance can

- Understand place value and represent numbers with expanded notation
- Compare fractions with the same numerators or the same denominators
- Represent numbers and operations with models
- Represent and solve one- and two-step application problems involving addition and subtraction of whole numbers
- Represent and solve one- and two-step application problems involving multiplication and division of whole numbers
- Use number pairs in a table to represent real-world relationships
- Solve problems involving area
- Solve problems related to data

Students achieving Approaches Grade Level Performance can

- Represent equivalent fractions using models
- Solve problems involving perimeter
- Classify two- and three-dimensional figures
- Summarize a data set with multiple categories

Students achieving Did Not Meet Grade Level Performance can

- Compare two whole numbers
- Represent fractions with models
- Use models to solve multiplication with whole numbers
- Determine the value of a collection of coins and bills