State of Texas Assessments of Academic Readiness (STAAR®)
Performance Level Descriptors
Grade 4 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 4 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 and justify the reasonableness of solutions to multi-step application problems involving addition, subtraction, multiplication, and division of whole numbers
- Analyze mathematical relationships to compare and solve problems involving fractions

Students achieving Meets Grade Level Performance can

- Solve application problems involving addition, subtraction, multiplication, and division of whole numbers including two-step problems and problems with a letter representing the unknown
- Solve and explain multi-step addition and subtraction problems involving money
- Compare fractions using symbols and justify relationship to the whole
- Represent numerical relationships and patterns with models and tables including input-output tables
- Select units and solve problems involving measurement including conversions
- Apply knowledge of parallel and perpendicular lines to classify two-dimensional shapes
- Solve application problems involving perimeter and area including missing measurements

Students achieving Approaches Grade Level Performance can

- Represent, compare, and order whole numbers, decimals, and fractions and understand relationships related to place value
- Represent and solve problems involving addition, subtraction, multiplication, and division of whole numbers including two-step problems
- Represent addition and subtraction of fraction problems with pictorial models
- Represent and solve problems using data and tables
- Use a protractor to measure angles and a ruler to measure lengths

Students achieving Did Not Meet Grade Level Performance can

- Identify points represented by decimals and fractions on a number line
- Represent decimals using expanded notation
- Use models to represent and solve problems involving multiplication and division of whole numbers
- Identify lines of symmetry and types of angles