

**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 and 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