

**State of Texas Assessments of Academic Readiness (STAAR®)**  
**Performance Level Descriptors**  
**Grade 5 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 5 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 to application problems involving addition, subtraction, multiplication, and division with whole numbers and decimals
- Apply an understanding of expressions and equations to solve multi-step problems with one variable
- Extend and apply geometry and measurement concepts to solve application problems

**Students achieving Meets Grade Level Performance can**

- Solve application problems involving addition and subtraction of positive rational numbers
- Solve application problems involving multiplication and division of whole numbers and decimals
- Represent and solve problems involving multiplication and division of whole numbers with fractions
- Use equations and numerical patterns to represent relationships including solving multi-step problems
- Solve application problems involving perimeter, area, and volume
- Represent and solve problems involving categorical and numerical data

**Students achieving Approaches Grade Level Performance can**

- Use place value to identify numerical relationships
- Identify prime and composite numbers
- Use models to represent and solve problems involving multiplication and division of decimals
- Organize two-dimensional figures into sets and subsets based on attributes
- Identify key attributes of a coordinate plane and graph points located in the first quadrant

**Students achieving Did Not Meet Grade Level Performance can**

- Identify place value
- Perform addition and subtraction of whole numbers and decimals
- Classify two-dimensional figures
- Define terms used to describe taxes and income