

**State of Texas Assessments of Academic Readiness (STAAR®)**  
**Performance Level Descriptors**  
**Grade 7 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 7 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**

- Use proportional relationships to solve problems involving probabilities of dependent compound events
- Model and solve one-variable, two-step inequalities
- Extend and apply geometry and measurement concepts to solve application problems

**Students achieving Meets Grade Level Performance can**

- Use proportional relationships to solve application problems involving experimental and theoretical probabilities related to simple and independent compound events
- Solve application problems involving addition, subtraction, multiplication, and division of rational numbers
- Solve application problems involving proportional relationships
- Model and solve one-variable, two-step equations
- Use proportional relationships to solve application problems involving similarity
- Solve application problems involving circumference, area, surface area, and volume
- Use statistical representations to compare and analyze data
- Solve problems involving tax, interest, and budgets
- Represent relationships between sets of rational numbers

**Students achieving Approaches Grade Level Performance can**

- Find the probability of a simple event
- Represent constant rates of change in mathematical and real-world problems
- Solve problems using data represented in graphs
- Compare two groups of numeric data using comparative dot plots and box plots

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

- Represent sample spaces for compound events
- Calculate unit rates from problem situations
- Solve for a missing side length in problems involving similar shapes and scale drawings