**State of Texas Assessments of Academic Readiness (STAAR™)
Performance Level Descriptors
Grade 5 Mathematics**

<table>
<thead>
<tr>
<th>Performance Level Descriptors</th>
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<td>Mathematical process skills are not assessed in isolation but are incorporated into questions that assess grade 5 content. These process skills focus on applying mathematics to solve problems, communicating about mathematics, and using logical reasoning.</td>
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**Students achieving Level III: Advanced Academic Performance can**

- Evaluate the reasonableness of solutions to application problems involving operations with whole numbers
- Make generalizations from patterns and sets of related data
- Extend and apply geometry and measurement concepts to solve application problems including volume

**Students achieving Level II: Satisfactory Academic Performance can**

- Generate equivalent fractions and compare fractional quantities in problem-solving situations
- Solve application problems involving addition and subtraction of whole numbers and decimals
- Solve application problems involving multiplication and division of whole numbers
- Describe the relationship between sets of related data in graphic organizers
- Identify the results of translations, rotations, and reflections on a coordinate grid
- Select and use appropriate units and formulas to solve application problems involving length, perimeter, area, and volume
- Describe and predict the results of a probability experiment
- Find median, mode, and range for a set of data

**Students achieving Level I: Unsatisfactory Academic Performance can**

- Identify equivalent forms of decimals and fractions that name tenths, hundredths, and thousandths using models
- Solve application problems involving length, time, and temperature
- Perform simple conversions in the customary and metric systems
- List the possible outcomes of a probability experiment