



State of Texas Assessments of Academic Readiness Alternate (STAAR™ Alternate) Performance Level Descriptors Grade 8 Mathematics

Performance Level Descriptors

Level III: Accomplished Academic Performance

Students at Complexity Level 3 can:

- generate division equations and multiplication equations to check them
- adjust multiplication equations when real-life problems are altered
- generate rotations and translations with a variety of objects
- determine the area of a variety of spaces using a formula

Students at Complexity Level 2 can:

- identify division equations that represent real-life problems
- complete tables to identify patterns of a variety of coins needed to solve problems
- identify a variety of symmetrical figures and lines of symmetry
- construct models to represent the areas for a variety of figures

Level II: Satisfactory Academic Performance

Students at Complexity Level 3 can:

- generate a division equation and a multiplication equation to check it
- adjust a multiplication equation when the real-life problem is altered
- generate rotations and translations with objects
- estimate a rug size that will fit in a given space when adjacent side dimensions are given
- organize data and determine the range and mode
- determine, record, and order monetary values using correct notation
- determine the area of a space using a formula

Students at Complexity Level 2 can:

- identify a division equation to represent a real-life problem

Students at Complexity Level 2 can (*continued*):

- complete a table to identify the pattern of coins needed to solve a problem
- identify symmetrical figures and lines of symmetry
- assist in measuring the perimeter of a space and identify the equation that solves the problem
- match data on a pictograph to the same data on a bar graph and supply any missing data
- identify the appropriate monetary notation for the value of a collection of coins
- construct a model to represent the area of a figure

Students at Complexity Level 1 can:

- respond to each equal set after dividing a group of objects
- experience one and one hundred objects
- participate in orienting objects to be placed in a designated area
- participate in covering and partially covering an area
- participate in collecting and sorting data from a survey
- acknowledge coins in different combinations representing the same value
- participate in counting units to find the area of a space

Level I: Developing Academic Performance

Students at Complexity Level 3 can:

- solve a division equation
- generate a translation with an object
- determine the formula needed to solve a problem for area or perimeter

Students at Complexity Level 2 can:

- model a division equation
- identify the pattern in a completed table
- assist in marking the sides of a rectangle to show the perimeter and shading the interior space of a rectangle to show the area

Students at Complexity Level 1 can:

- acknowledge an object has moved
- acknowledge the boundaries of a geometric figure