

Grades 9-12: Mathematics

English language learners communicate information, ideas, and concepts necessary for academic success in the content area of MATHEMATICS. 16.3.9-12

Listening

- 1 Level 1 Entering: Match math vocabulary to geometric figures in a small group. 16.3.9-12.1L
- 2 Level 2 Emerging: Follow teacher directions to create a geometric figure using manipulatives. 16.3.9-12.2L
- 3 Level 3 Developing: Identify geometric figures based on oral descriptions with a partner. 16.3.9-12.3L
- 4 Level 4 Expanding: Create geometric figures based on multi- step oral directions with a partner. 16.3.9-12.4L
- 5 Level 5 Bridging: Transform geometric shapes based on oral directions using computer software or other supports. 16.3.9-12.5L

Reading

- 1 Level 1 Entering: Match data to the correct graph (e.g., data table to a circle graph) with a partner. 16.3.9-12.1R
- 2 Level 2 Emerging: Organize data on a basic chart with a partner or a group. 16.3.9-12.2R
- 3 Level 3 Developing: Interpret data in a graph working with a partner or a group. 16.3.9-12.3R
- 4 Level 4 Expanding: Analyze conclusions drawn from data on a graph with a partner or a group. 16.3.9-12.4R
- 5 Level 5 Bridging: Predict trends from data on a graph working with a partner or a group. 16.3.9-12.5R

Speaking

- 1 Level 1 Entering: Repeat the steps in the order of operations using a guided model with a partner. 16.3.9-12.1S
- 2 Level 2 Emerging: Identify steps in the order of operations with a small group. 16.3.9-12.2S
- 3 Level 3 Developing: Sequence the steps to solve a problem involving the order of operations with a small group. (e.g., add before you subtract in an algebraic equation). 16.3.9-12.3S
- 4 Level 4 Expanding: Explain the solution to a problem involving the order of operations using visual supports. 16.3.9-12.4S

- 5 Level 5 Bridging: Analyze the solution to a problem involving the order of operations with a partner. 16.3.9-12.5S
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Writing

- 1 Level 1 Entering: Label symbols found in algebraic equations, inequalities or expressions. 16.3.9-12.1W
- 2 Level 2 Emerging: Illustrate the steps used to sequence or solve an algebraic equation, inequality or expression with a partner and/or small group. 16.3.9-12.2W
- 3 Level 3 Developing: Compose a simple algebraic equation, inequality or expression using a guided model. 16.3.9-12.3W
- 4 Level 4 Expanding: Write a word problem that fits an algebraic equation, inequality or expression with a partner. 16.3.9-12.4W
- 5 Level 5 Bridging: Justify the solution of an algebraic equation, inequality or expression using figures, notations and complex sentences. 16.3.9-12.5W