



Algebra 1 Item Types and Descriptions

The test consists of machine scored items including selected-response, technology-enhanced, and technology-enhanced constructed-response. All items are worth 1 score point.

Selected-Response: Students are presented with an item and four possible answer options. Students demonstrate their knowledge by selecting the one correct answer.

Technology Enhanced Items:

Drag and Drop: Students click on selectable objects and sort them into groups, steps, or other arrangements to demonstrate their knowledge. Some examples of selectable objects include single numerical values, numerical expressions or equations, algebraic equations or expressions, graphs, statements, operational signs, geometric figures, and tables.

Hot Spot: Students interact with selectable objects to demonstrate their knowledge, skills, and abilities to answer a question. Selectable objects include whole or parts of figures, graphs, tables, verbal descriptions, or symbolic representations.

Match Interaction Table: Students are presented with a matrix consisting of mathematical or English statements across the columns and rows. Students demonstrate their knowledge by selecting one or more correct answers per row to associate correct statements in the matrix.

Technology Enhanced Constructed Response Items:

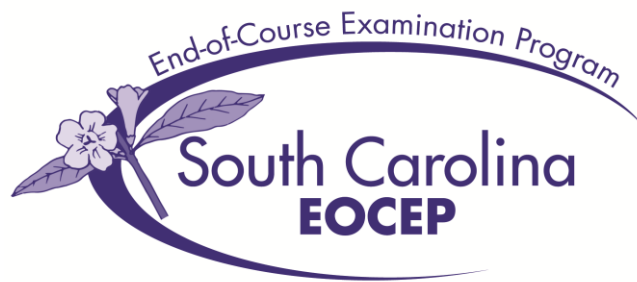
Numerical Response – Students are presented with an item. The students demonstrate their knowledge by providing a numerical answer to the item.

Symbolic Response – Students are presented with an item. The students demonstrate their knowledge by constructing equations and expressions to answer the item.

Cartesian Graphical Response – Students are presented with an item. The students demonstrate their knowledge by constructing graphs of lines and figures in the Cartesian plane to answer the item.

Line Graph Response – Students are presented with an item. The students demonstrate their knowledge by placing numbers on or constructing a line graph to represent the solution to an item.

Statistical Graph Response – Students are presented with an item. The students demonstrate their knowledge by constructing bar graphs and histograms to answer statistical items.



Tabular response – Students are given an item with a blank or partially filled in table or matrix. The students demonstrate their knowledge by constructing the rest of the table to answer the item.

Sentence response – Students are given an item with part of a mathematical statement. Students demonstrate their knowledge by completing the item by filling in key details to construct mathematically correct statements that fit the given context, relevant definition, or statistical result.