

## EXAM DESIGN OVERVIEW

## ALGEBRA I

The Algebra I Keystone Exam will assess students' mastery of the Algebra I Assessment Anchors as defined by the Eligible Content and will be aligned to the Concepts and Competencies. The table below shows how the standards will be separated between the two modules on the operational form.

## ALGEBRA I KEYSTONE EXAM TEST DESIGN FOR STANDARDS

	Module 1	Module 2
Assessment Anchors Covered	Operations <i>and</i> Linear Equations and Inequalities	Linear Functions <i>and</i> Data Organization
Number of Eligible Content Covered	18	15

The table below shows the types of questions and number of questions covered in the Algebra I Keystone Exam operational form.

## ALGEBRA I KEYSTONE EXAM BREAKDOWN OF QUESTION TYPES

	Module 1		Module 2		Total	
	Multiple-Choice Questions	Constructed-Response Questions	Multiple-Choice Questions	Constructed-Response Questions	Multiple-Choice Questions	Constructed-Response Questions
Number of Operational Questions	18	3	18	3	36	6
Number of Field Test Questions	5	1	5	1	10	2
Total	23	4	23	4	46	8

The table below shows the types of questions and number of points covered in the Algebra I Keystone Exam operational form.

## ALGEBRA I KEYSTONE EXAM BREAKDOWN OF POINTS

	Module 1	Module 2
Number of Operational Multiple- Choice Questions	18 questions at 1 point each = 18 points	18 questions at 1 point each = 18 points
Number of Operational Constructed- Response Questions	3 questions at 4 points each = 12 points	3 questions at 4 points each = 12 points
Total Number of Points	30 points	30 points
Percentage of Points for Entire Test	50%	50%

There will be a total of 60 points (Module 1 and Module 2 combined), with approximately 60% multiple-choice points and 40% constructed-response points.

The table below shows the estimated time a typical student would need to complete Module 1 and Module 2 of the Algebra I Keystone Exam operational form.

## ALGEBRA I KEYSTONE EXAM ESTIMATED TIME

	Operational Questions	Field Test Questions	Total Questions
Number of Minutes	114	35	149

The Algebra I Keystone Exam will have two different types of constructed-response questions. Both types of constructed-response questions will be scored on a scale ranging from 0–4 points.

Scaffolding Completion Questions are constructed-response questions that elicit two-to-four distinct responses from a student. When administered online, the responses are electronically entered by the student and are objective and concise. Some examples of student responses may be *5 gallons*, *vertex at (5, 11)*, or  $y = 3x + 9$ . A designated answer space/box will be provided for each part of the question. No extraneous work or explanation will be scored. To the greatest extent possible, automated scoring will be used to determine the point value of the responses. When applicable, Inferred Partial Credit Rubrics and Scoring Guides will be used to award partial credit to qualifying responses.

Extended Scaffolding Completion Questions are constructed-response questions that require students to respond with extraneous work or explanation for at least part of the question. For example, the student may be asked to “Show all of your work,” “Explain why the curve is not a parabola,” or “What is the error in Jill’s reasoning?” When administered online, responses can be typed by the student, but scoring will not be automated. Question-specific scoring guides will be used by scorers to award credit, including partial credit, for responses.