

Star Math Algebra and Geometry Assessments

Along with the Star Math assessment Renaissance offers both Algebra and Geometry specific assessments. These two tests measure content typically instructed in high school courses traditionally labeled Algebra 1, Algebra 2, and Geometry.

Implementation

The Algebra or Geometry test results reflect placement of the student’s achievement within each content domain. A suggestion is to administer the Star Math assessment to determine the overall math achievement of all students and then administer the Algebra or Geometry test to students for whom domain-specific information may be needed. Star Math will provide scores and reports to help teachers understand the student’s overall math performance and may be used for screening, measuring growth, and other purposes.

The Algebra and Geometry tests are domain-specific assessments, and are now normed. Norm referenced scores for grades 8-12 can be found in the following documentation. [Summary: Star Math High School Algebra and Geometry Norms](#)

Star Math, Algebra, and Geometry Test Comparison



	Scaled Score Reported	GE Reported	PR Reported	Multiple Domain Scores Reported	Multiple State Standards Reported	Use for Frequent Progress Monitoring	Use for Instructional planning	Use for goal setting
Algebra Test	x	x*	x*	x	x		x	x
Geometry Test	x	x*	x*	x	x		x	x
Star Math Test	x	x	x	x	x	x	x	x

* These scores are not generated in the software. Please view [Summary: Star Math High School 2016 Algebra and Geometry Norms](#) to view norm referenced scores.

Setting the Test Type Preference

Students can complete more than one version of the test (Star Math, Algebra, and/or Geometry) as suggested. These tests may be taken on a tablet 7” or larger or a computer. The test type preference must be set-up by the teacher. The default setting is the Star Math test.

This feature is located under the Star Math menu, select “Preferences”. Under “Class Preferences” choose to edit “Math Test Type”.

Class Preferences 	
Demo Video	Set the availability of the Star Early Literacy test demo video (English and Spanish)
Enterprise Tests	Set which types of Star Math and Star Reading tests are administered
Hands-On Practice	Set the availability of hands-on practice in Star Early Literacy (English and Spanish)
Lexile® Goals	Set whether Lexile® Measures are used instead of ATOS for Accelerated Reader.
Math Test Type 	Set the type of items students in grades 7-12 get during a Star Math test: Enterprise (all), Algebra, or Geometry

Next, select the appropriate class and decide between Star Math (Enterprise), Algebra, or Geometry. Once the correct test type is chosen, click “Save Changes”

Math Test Type

Set the type of items students in grades 7-12 get during a Star Math test: Enterprise (all), Algebra, or Geometry

Settings for [Honors Algebra I - 1st hour in Renaissance Flow Math School](#)

Save Changes	Set All...	Undo Changes
Class	Setting	
Honors Algebra I - 1st hour	<input type="radio"/> Enterprise <input checked="" type="radio"/> Algebra <input type="radio"/> Geometry	

Interpreting Results

The reports available to assist in interpreting results include: [Test Record](#), [Summary](#), [Diagnostic](#), [Student Progress Monitoring](#), [Instructional Planning](#), [Test Activity](#), [Goal History](#), [Annual Progress](#), [Record Book](#), and [Monitor Student Mastery Dashboard](#). Click on the report title to view a sample report.

Score Interpretation

The same ordinal scale (0-1400) as Star Math is used. Please consider the following:

- A Scaled Score of 820 on the Star Math test with a 62 PR does not mean the same as a Scaled Score of 820 on the Geometry test, and therefore most likely will result in a different PR.
- Norm Reference Scores: The Algebra and Geometry tests are designed to be administered to student taking first or second year Algebra/Geometry at any grade. No distinctions are made between grades; hence a single set of norms applies to all. Please see [Summary: Star Math High School 2016 Algebra Geometry Norms](#) for additional information.