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

<table>
<thead>
<tr>
<th></th>
<th>Scaled Score Reported</th>
<th>GE Reported</th>
<th>PR Reported</th>
<th>Multiple Domain Scores Reported</th>
<th>Multiple State Standards Reported</th>
<th>Use for Frequent Progress Monitoring</th>
<th>Use for Instructional planning</th>
<th>Use for goal setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra Test</td>
<td>x</td>
<td>x*</td>
<td>x*</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Geometry Test</td>
<td>x</td>
<td>x*</td>
<td>x*</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Star Math Test</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
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</tr>
</tbody>
</table>

* 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”.

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

<table>
<thead>
<tr>
<th>Math Test Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set the type of items students in grades 7-12 get during a Star Math test: Enterprise (all), Algebra, or Geometry</td>
</tr>
</tbody>
</table>

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.