

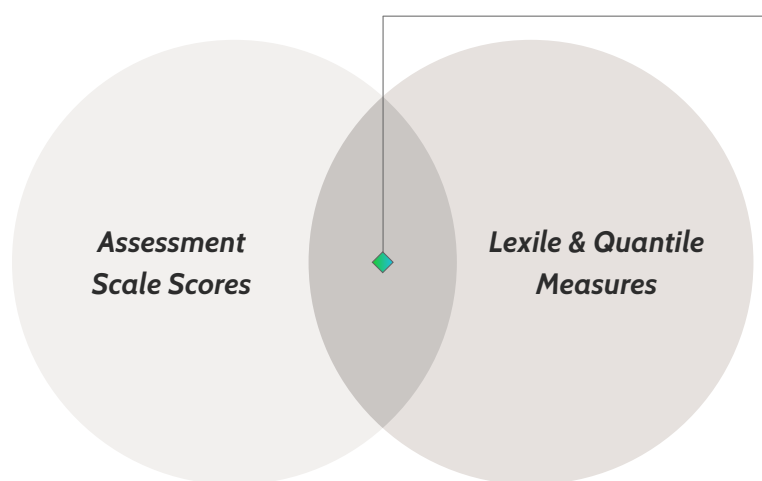


WHAT ARE THE SIMILARITIES AND DIFFERENCES BETWEEN Student Assessment Scale Scores and Student Lexile® and Quantile® Measures

A great deal of information is available to educators as a result of various assessments in use with students. These tests vary in their structure, purpose and reported information; however, there are also a number of similarities.¹

This document highlights the similarities and differences between assessment scale scores and Lexile and Quantile measures that appear on individual student reports. Lexile and Quantile measures are reported for students when assessments have been linked to the **Lexile® Framework for Reading** and **Quantile® Framework for Mathematics**.

What are the similarities?



Assessment scale scores and Lexile and Quantile measures for students:

- ✓ Result from student completion of an assessment.
- ✓ Describe student performance.
- ✓ Are reported as measures on numeric scale.
- ✓ Increase as student ability increases.
- ✓ Allow comparison of performance across students or within a norm group.

¹ These are broad statements about assessments in general; similarities and differences may depend on the specific assessment under consideration. MetaMetrics, creator of the Lexile and Quantile Frameworks, is not responsible for the properties of specific assessments.

What are the differences?

PURPOSE

Assessment scale scores:

- » Describe student achievement on the specific assessment.
- » Are test-specific and an interpretation of student performance.

Lexile measures:

- » Describe a student's reading ability and allow both the student and the text complexity to be placed on the same scale.
- » Are test-agnostic and can be used to match students to text with an expectation of comprehension.

Quantile measures:

- » Describe a student's mathematics ability and allows both the student and the math materials to be placed on the same scale.
- » Are test-agnostic and can be used to target instruction with level-appropriate tasks and materials.

REPORTING

Assessment scale scores:

- » Are reported as values that are grade-specific or that span across grades.
- » Are often used to categorize students according to proficiency, mastery or risk.

Lexile measures:

- » Are a numeric representation of a reader's skill level and measure of text complexity.
- » Are reported on a vertical scale.
- » Retain the same meaning across all grades in terms of the level of text complexity that a student can comprehend.
- » Are not associated with specific categories of student performance.

Quantile measures:

- » Are a numeric representation of a student's readiness for math skills and concepts and a measure of the difficulty of math materials.
- » Are reported on a vertical scale.
- » Retain the same meaning across all grades in terms of the mathematical skills and concepts that a student is ready to learn.
- » Are not associated with specific categories of student performance.

GROWTH MONITORING

Assessment scale scores:

- » May be used directly to describe student growth, depending on the specifics of the assessment design.

Lexile measures:

- » Can be compared across time points to measure student growth with respect to the text complexity that they are able to comprehend.
- » Help gauge readiness for college and career.

Quantile measures:

- » Can be compared across time points to measure student growth with respect to the mathematical skills and concepts that they are ready to learn.
- » Help gauge readiness for college and career.



Learn more about Lexile and Quantile measures at
metametricsinc.com/state-toolkit/video-library.

