



The Quantile Framework for Mathematics uses the same scale to measure both your student's mathematics ability and the difficulty of the mathematics materials.

Nearly half of all U.S. students receive Quantile® measures from national, state, and local assessments.

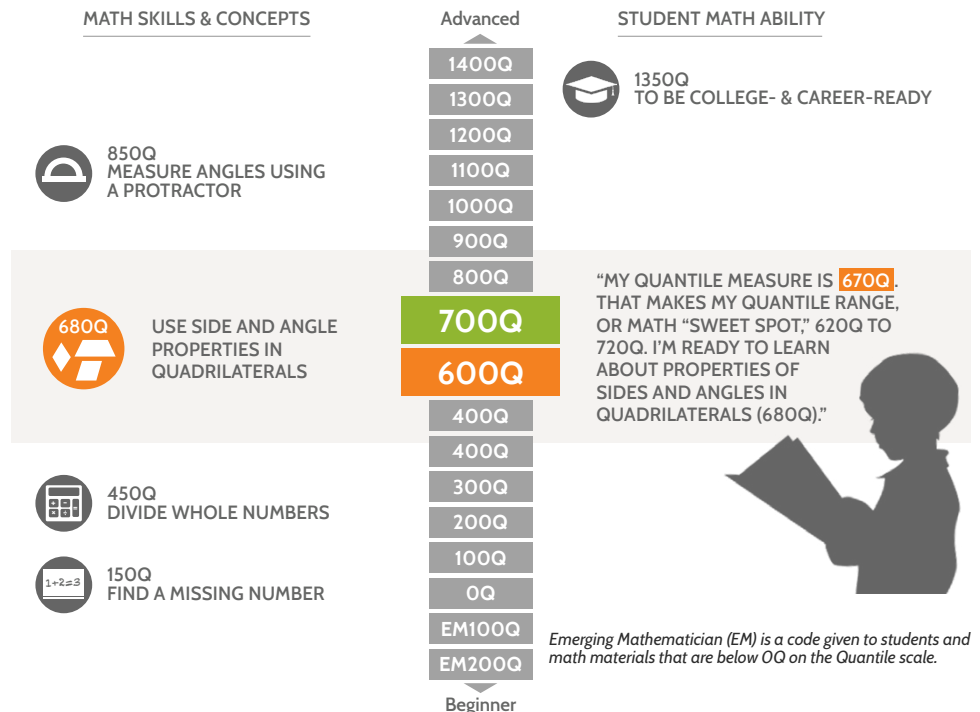
What are Quantile measures?

Quantile measures are represented by a number followed by a "Q" (such as "800Q") and describe students' mathematics ability and math content difficulty. Knowing the mathematical difficulty of specific materials and the abilities of individual students, you can:

- Identify the mathematical skills that a student is ready to learn.
- Target instruction with level-appropriate tasks and materials.
- Communicate and engage with students and parents regarding math progress.
- Monitor student growth in math over time.

Link Assessment With Mathematics Instruction on the Quantile Scale

Quantile measures range from Emerging Mathematician (below 0Q) to above 1400Q and span the skills taught in kindergarten through high school. As a student's Quantile measure increases, the mathematics concepts they are ready to learn become more complex. For optimal learning and growth, a student should practice mathematics with a Quantile range of 50Q below to 50Q above their reported measure.



Emerging Mathematician (EM) is a code given to students and math materials that are below 0Q on the Quantile scale.



Support Students at All Levels

The Quantile Framework defines over 550 mathematics skills and concepts. Each of these has a measure that shows how difficult one concept is in relation to the others. Using the Quantile Framework, you can identify gaps in students' conceptual understanding of math that may frustrate or impede their success. You can also find topics for math enrichment for students ready for more challenge.

DIFFERENTIATE INSTRUCTION: PROPERTIES OF QUADRILATERALS (GRADE 3) EXAMPLE

PREREQUISITE ACTIVITY (530Q)	TODAY'S LESSON (680Q)	ENRICHMENT ACTIVITY (1000Q)
<p>Which angle appears to be an acute angle?</p>	<p>Which quadrilateral is a rectangle and a rhombus?</p>	<p>Polygon $KLMNP$ is concave. Which segment, with endpoints on the interior of the polygon, shows that $KLMNP$ is concave?</p>
<p>BELOW TARGET</p>	<p>ON TARGET</p>	<p>ABOVE TARGET</p>
<p>PREREQUISITE SKILL</p> <p>My Quantile measure is 500Q.</p> <p><i>I need help preparing for this topic. I will review angles.</i></p>	<p>FOCUS SKILL</p> <p>My Quantile measure is 670Q.</p> <p><i>I'm ready for today's lesson.</i></p>	<p>IMPENDING SKILL</p> <p>My Quantile measure is 950Q.</p> <p><i>I'm going to be challenged with an enrichment activity.</i></p>

Connect to Tools & Resources on Our Lexile® & Quantile® Hub

The Lexile & Quantile Hub provides easy access to math (and reading) tools and resources that accelerate learning. Math tools include:



Search by your state standards for resources matched to students' Quantile measures.



Forecast student growth and explore the math demands of careers.



Search Hub's Resource Center by "Math Resources" and grade level using the dropdown menus.

Learn more about the Quantile Framework and access tools to support your students' math skills at:

Hub.Lexile.com

