

QUANTILE QUANTILE FRAMEWORK[®] FOR MATHEMATICS

EDUCATOR GUIDE



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 OQ) 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.





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.

Use Quantile Measures to Differentiate Instruction in the Classroom

TODAY'S LESSON: PROPERTIES OF QUADRILATERALS (GRADE 3)



Access Math & Reading Tools to Tailor Learning for Your Students

The *Lexile*[®] & *Quantile*[®] Hub is an online platform that provides easy access to math and reading tools. We listened to feedback from educators, parents and students to develop our tools. Math tools include:

TEACHER ASSISTANT

Differentiate student instruction based on an individual's or classroom's Quantile measure(s).

MATH SKILLS DATABASE

Find aligned resources that match your state's standards.

RESOURCE CENTER

Create and share curated lists of favorite resources through email, on websites and on social media.

GROWTH PLANNER

Forecast growth and explore the math demands and regional career information for hundreds of careers.



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