



Help your child grow their mathematics abilities with the Quantile Framework for Mathematics, a scientific approach to help your child succeed.



What is the Quantile Framework?

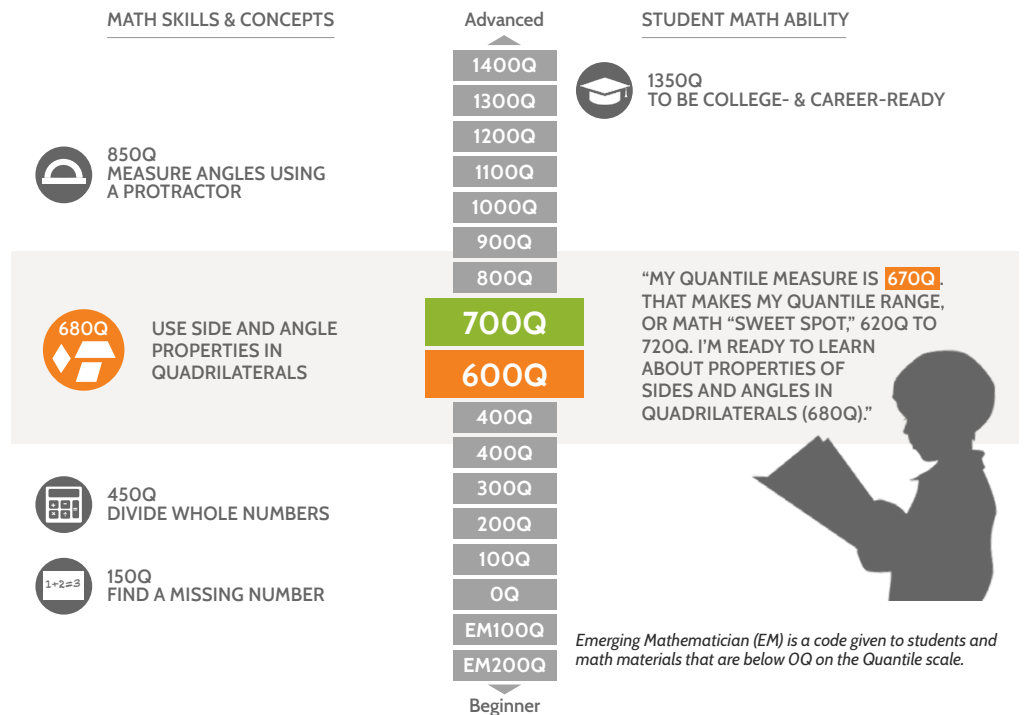
The Quantile Framework uses the same scale to measure both your child's mathematical ability and the difficulty of the math materials they encounter. Quantile® measures help you find math skills and concepts that are at your child's level. Quantile measures can be used to:

- Match materials to your child's skill level to reinforce the concepts taught at school.
- Monitor your child's progress over time.

A Quantile measure is represented by a number followed by a "Q" such as "800Q".

Support and Monitor Your Child's Math Progress With the Quantile Scale

The Quantile Framework defines over 550 mathematics skills and concepts. Each of these concepts has a Quantile measure. Each measure shows how difficult one skill is in relation to the others. Quantile measures range from below 0Q to above 1400Q and span the skills and concepts taught in kindergarten through high school.



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



Step 1. Determine Your Child's Quantile Measure

Quantile measures are reported from a variety of tests taken throughout the school year. If you're not sure what test your child took, ask your child's teacher. Many state assessments and math programs report math performance as a Quantile measure.



Step 2. Practice Math That Supports Your Child

Matching your child's math ability to the difficulty of math material helps to ensure the right level of challenge. Let's say your child has a Quantile measure of 680Q and is learning about quadrilaterals. You can find...

...EASIER TASKS (530Q)

Which angle appears to be an acute angle?

...TASKS AT THEIR LEVEL (680Q)

Which quadrilateral is a rectangle and a rhombus?

...HARDER TASKS (1000Q)

Polygon $KLMNP$ is concave.

Which segment, with endpoints on the interior of the polygon, shows that $KLMNP$ is concave?



Step 3. Monitor Growth

Track your child's Quantile measure growth from grade to grade. Use these measures in conversation with your child's teacher to identify how your child can be better supported or challenged at home and school.

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 and resources include:



Forecast your child's growth and explore the math demands of careers.



Search the 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 child's math skills at:

Hub.Lexile.com

