Imagine Math: Powered by the Quantile Framework

Connect assessment and instruction to improve student outcomes.

What are Quantiles?
The Quantile® Framework for Mathematics helps educators match students to “just right” learning resources for math. Quantiles directly link assessments and instruction, measuring the difficulty of math skills and concepts being taught and connecting those to the mathematical ability of each learner.

Quantiles help measure students’ readiness to learn new mathematics, independent of their grade level.

Quantiles were developed by MetaMetrics® to offer a scientific approach for matching students with resources, and they’re used with millions of students! States partner with MetaMetrics, providing Quantile measures on the state assessments students take each year.

Imagine Math + Quantiles
Throughout the school year, Imagine Math’s benchmark assessments measure the growth of each student’s achievement level and report the results using the Quantile Framework for Mathematics.

Research shows that regular use of Imagine Math is associated with substantial increases in math proficiency, as measured by increases in Quantile scores between benchmark administrations.

Benchmark 1 and Benchmark 3 Quantile assessment data were collected from 264,898 Imagine Math students who used the program during the 2018–2019 school year. All students demonstrated significant growth; students who passed more than 30 lessons demonstrated greater Quantile gains than students who passed less than 30 lessons.
The Quantile Advantage

Maximizing Personalized Breakthroughs

Our comprehensive system for success combines Imagine Math Benchmark Tests with the Quantile® Framework for Mathematics. Students’ Quantile Benchmark measures power individualized learning paths, scaffolded to meet each learner’s needs with automatic differentiation. Imagine Math effectively connects assessment and instruction to improve student outcomes and empowers teachers to:

- Identify gaps in conceptual understanding and identify topics for enrichment for learners who are ready.
- Match students with math instruction at their ability level, setting them on the path to success with standards mastery.
- Closely monitor progress and make instructional decisions that positively impact state assessments.

QSC-aligned instructional content is personalized according to each learner’s Quantile measure.

Learn how the Quantile® Framework can make a difference in your classroom at:

imaginelearning.click/math-quantiles-framework