



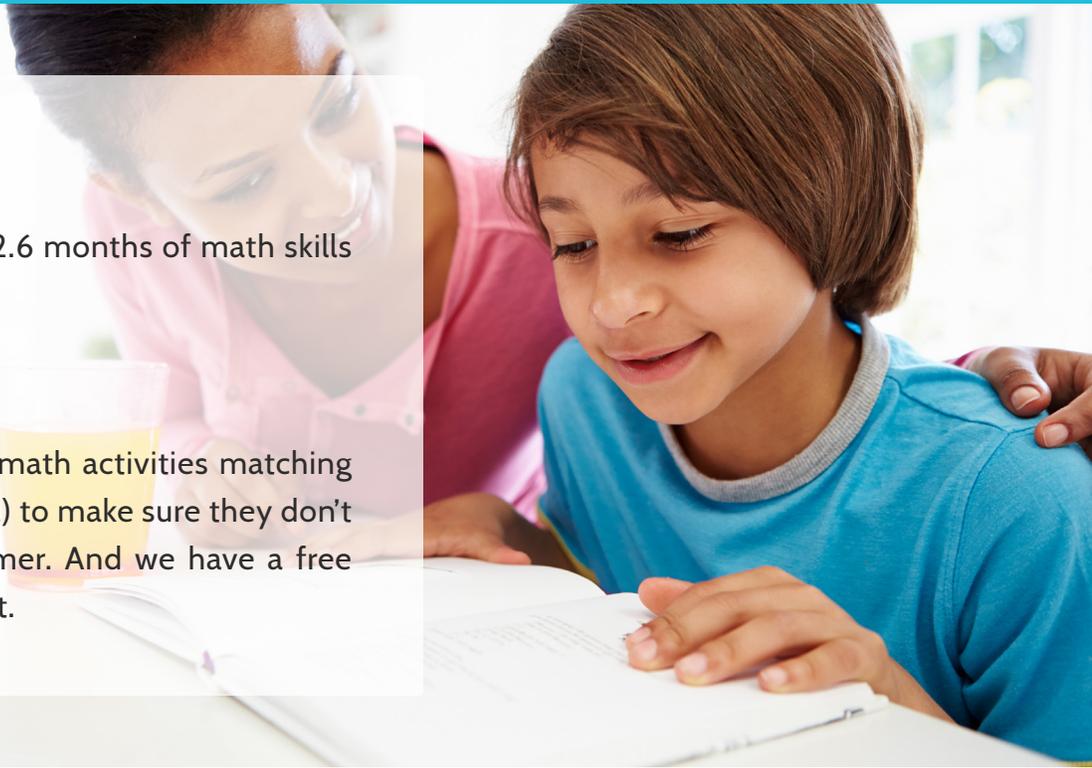
Fight Summer Math Loss!

THE PROBLEM

On average, students lose 2.6 months of math skills over the summer months.¹

THE SOLUTION

Have your child engage in math activities matching their ability (Quantile® level) to make sure they don't lose ground over the summer. And we have a free tool to help you do just that.



SUMMER CHALLENGE

What is the Summer Math Challenge?

The Summer Math Challenge is a FREE math program designed to help kids retain math skills learned during the previous year. The six-week program offers daily emails with fun activities and resources at each student's ability level.

Who is it designed for?

The Summer Math Challenge is designed for students who have just completed grade 1 through 8.

How do I sign up?

- 1 Go to [Quantiles.com/summer-math](https://www.quantiles.com/summer-math) to enroll your child.
- 2 Starting Monday, June 17th, check your inbox for daily emails with fun activities and resources.
- 3 Visit [Quantiles.com/summer-math](https://www.quantiles.com/summer-math) every day to read about weekly math concepts and earn badges.
- 4 When the program ends on Friday, July 26th, print an award certificate to celebrate your child's summer accomplishments!

¹Cooper, H., Nye, B., Charlton, K., Lindsay, J., & Greathouse, S. (1996). The effects of summer vacation on achievement test scores: A narrative and meta-analytic review. *Review of Educational Research*, 66(3), 227-268. Patall, Erika A., Harris Cooper, and Ashley Batts Allen. "Extending the school day or school year a systematic review of research (1985-2009)." *Review of educational research* 80.3 (2010): 401-436.

FREQUENTLY ASKED QUESTIONS

THE SUMMER MATH CHALLENGE uses Quantile measures to match students with ability-appropriate math resources and materials. Here are a few frequently asked questions about Quantile measures and how they work:

How do you get a Quantile student measure?

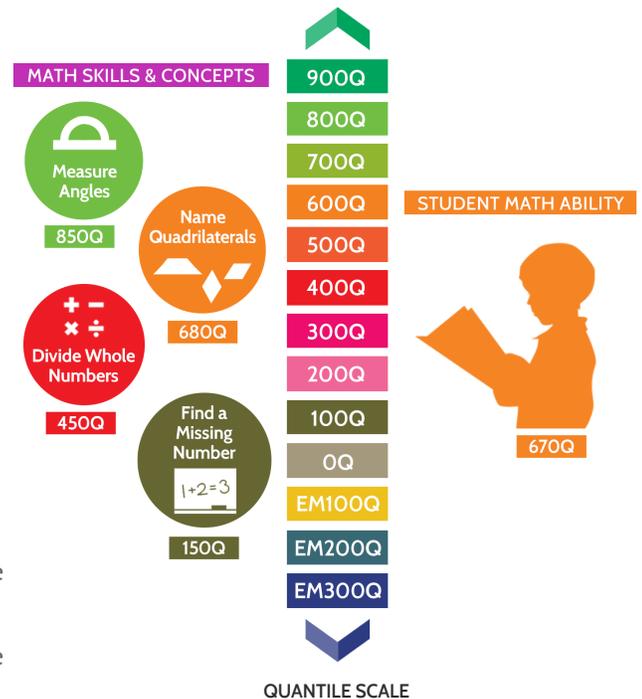
Quantile measures are available from many year-end state tests, as well as from other classroom tests and math programs.

How do math skills and concepts receive Quantile measures?

Over 500 mathematics skills and concepts have received Quantile measures. Quantile measures range from below 0Q for skills like compounding set quantities to above 1400Q for skills like modeling using trigonometric functions. The higher the Quantile measure, the more difficult the material. By identifying which mathematics concepts are present in math materials, we know how difficult those materials are and can assign a Quantile measure.

What is the Quantile Framework® for Mathematics?

The Quantile Framework for Mathematics uses the same scale to measure both the math skill level of your child and the difficulty of the math materials they encounter. The Quantile Framework reports your child's mathematical ability, as well as the difficulty of math material, as Quantile measures.



How do Quantile measures help promote learning?

Quantile measures identify the math materials your child is ready to learn. Because Quantile measures can be used to determine which skills and concepts build upon one another, they can help you pinpoint a particular skill a child is struggling with or provide guidance on skills to which the child should advance. Quantile measures also help monitor growth over time towards college and career readiness (1350Q) and beyond.



Want to learn more about the Quantile Framework for Mathematics?

VISIT [QUANTILES.COM](https://www.quantiles.com)