



# Quantile Sequencing Service

PRODUCTS & SERVICES FOR CONTENT PUBLISHERS

## *Create Student Learning Pathways in Your Math Content*

Matching students' differing abilities to the right place in your content is challenging for educators. The Quantile® Sequencing Service connects the dots between where students are and where they need to be in your math content. Math abilities range widely in a classroom and students grow at different rates.

New math skills and concepts build on previously learned concepts. When students hit gaps in their math learning, it can be frustrating for them and daunting for their teacher who must then figure out how to fill those knowledge gaps – taking time and resources.

The Quantile Sequencing Service allows content developers and digital learning companies to direct teachers to exactly where a student needs to begin in your content to learn a particular skill or concept.



### **BY USING THIS SERVICE**

- Students start the lesson on a given topic accessing the right place in your content. No longer do students struggle trying to practice at a level where there is a gap in understanding. Learning is optimized.
- Teachers receive support when you direct them to where in your content they need to start with each individual student. Instructional time is saved.

## HOW IT WORKS

You decide how to determine a Quantile® measure for students – either reported from your product or licensed from MetaMetrics using an outside assessment.

You supply us with your math content.

We calibrate the math skills and concepts addressed in your content to the Quantile Framework.

We then sequence these skills and concepts in your content with the associated Quantile measures of the Quantile Framework's vertical alignment.

We give you a report that shows how your content's Quantile measures sequence across grade levels.

You use this report to determine the best way to personalize learning in your content for students with differing Quantile measures.

## Support Teachers & Help Students Move Forward With Confidence

The Quantile Sequencing Service points teachers to the lesson or activity in your math content where a student needs to begin work according to the classroom topic and that student's skill level. The Service identifies the most relevant place in your content for prerequisite skills that a struggling student might need to acquire before being able to succeed with an on-grade lesson.

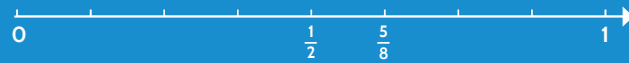
## Quantile Sequencing Service for Personalizing Math

When you use the Quantile Sequencing Service in your product, teachers can find accurate starting points for struggling students and confidently place them in your math learning materials.

### TARGET LESSON: COMPARING FRACTIONS

Grade 4 | *Comparing Fractions* 710Q  $\frac{5}{8} > \frac{7}{12}$

Grade 3 | *Benchmark Fractions* 450Q



Grade 3 | *Fractions With the Same Numerator or Denominator* 300Q



Grade 2 | *Dividing Into Equal Parts* 100Q



**MARIA**  
Grade 4  
490Q



**ADAM**  
Grade 4  
140Q

## Learn More

The Quantile Team is available to answer questions and provide support for the Quantile Sequencing Service. Contact:



Lisa Bickel  
Vice President  
Strategic Partnerships – Quantile Framework®  
lbickel@Lexile.com | 814.566.7296