Using *Quantile*® Measures from the Diagnostic Results Report
Curriculum Associates partnered with MetaMetrics to conduct a linking study between the *i-Ready Diagnostic* for Mathematics and the ***Quantile*® Framework for Mathematics**. The results of the study make it possible to provide an equivalent Quantile measure for each overall mathematics scale score within the *i-Ready Diagnostic* report. After each Diagnostic test, a student's Quantile measure will reflect their current overall math scale score.

Educators can use a Quantile measure from the Diagnostic Results report to select appropriate resources and instructional materials that match each student's mathematical skill level. Educators can use Quantile measures along with other information they have about the student, such as classroom performance and data from assessments, to determine whether current mathematics materials and instructional resources are appropriate or should be adjusted to better match students' strengths and areas for improvement.

About the *Quantile* Framework for Mathematics
The ***Quantile* Framework for Mathematics**, developed by MetaMetrics, is a scientific approach to measuring mathematics achievement and concept/application solvability. The Quantile Framework consists of a Quantile measure and the Quantile scale. A Quantile measure represents the difficulty of a mathematical skill, concept, or application (called Quantile Skills and Concepts) and a developing mathematician's understanding of the skills and concepts in six mathematics content strands: number sense, numerical operations, geometry, algebra and algebraic thinking, data analysis, statistics and probability, and measurement. Quantile measures are expressed as numeric measures followed by a "Q" (e.g., 850Q), and are placed on the Quantile scale. The Quantile Framework spans the developmental continuum from kindergarten mathematics through the content typically taught in algebra II, geometry, trigonometry, and pre-calculus, from below 0Q (Emerging Mathematician) to above 1600Q. Quantile measures take the guesswork out of determining which mathematical skills a developing mathematician has learned and which ones require additional instruction. All Quantile products and services rely on the Quantile measure and Quantile scale to match students with mathematics resources.

Quantile measures can improve mathematics teaching and learning by targeting instruction and monitoring student growth toward proficiency standards and the mathematical demands of college and careers. More information is available at Quantiles.com, and more tools and resources for educators—including the Educator Guide and the Parent Guide—are available at Hub.Lexile.com.