



What is the Quantile Framework?

The Quantile Framework is a rigorous methodology for measuring a student's level of achievement in mathematics relative to the level of difficulty associated with specific mathematical skills and concepts. A major artifact in the Quantile Framework is the *Quantile Map*. A major output from the Quantile Framework is a student's *Quantile measure*.

What is the Quantile Map?

The Quantile Map illustrates five major strands in mathematics: (1) geometry; (2) measurement; (3) numbers and operations; (4) algebra/patterns and functions; and (5) data analysis and probability. Each strand includes topics at Quantile measures of increasing difficulty. A copy of the Quantile Map is available [here](#).

What is a Quantile measure?

A Quantile measure is a number derived from your child's most recent TAKS test in mathematics. In conjunction with the Quantile Map, it provides three significant indications regarding your child's mathematical ability: (1) the skills and concepts your child has mastered, (2) the skills and concepts about which your child may need more instruction, and (3) the new skills and concepts your child is now ready to learn.

What do Quantile measures look like?

A Quantile measure is a number followed by the letter "Q." Quantile measures are in the range 0Q or below to 1400Q or higher. A higher number indicates mathematical ability at a higher level. Some Quantile measures include one of the following codes: EM, NMQ or HMC. For an explanation of these codes, click [here](#).

I know what grade my child is in. Why do I need a Quantile measure?

When you buy shoes for your child, the shoe-store clerk does not determine the correct shoe size by asking your child's age. Different children, all of the same age, have different shoe sizes. So too, students in a given grade have differing levels of mathematical proficiency. Grade level *alone* does not determine a child's level of mathematical achievement or readiness to learn.

Does grade level matter at all with respect to Quantile measures?

Your child's grade level and most recent Quantile measure *taken together* are needed to determine the most appropriate mathematical instruction for your child. The grade level identifies the typical range of Quantile measures for that grade as shown [here](#). Your child's Quantile measure with respect to that range indicates your child's readiness to handle the mathematical topics in that range illustrated in the Quantile Map.

How can I find my child's current Quantile measure?

The Texas Education Agency (TEA) provides a mathematics TAKS test for students in grades 3-11. The results from these tests include a Quantile measure, which can be found on your child's TAKS Confidential Student Report in the lower left corner of the Mathematics section.

Can I find out more about the meaning of my child's Quantile measure?

If you would like additional insights into the meaning of your child's Quantile measure, you may submit a request through the Quantile Framework online site. To make such a request click [here](#).

How can I use my child's Quantile measure to help my child in mathematics?

Parents should be actively involved in helping and encourage their child's mathematical development. General advice to parents about helping their child's growth in mathematics can be found [here](#) and [here](#).

Additionally, some examples of mathematically related activities to try with your child are listed [here](#). The Quantile Framework online site also provides a search tool [here](#), called Math@Home, which can help parents find many additional mathematics resources appropriate for their child.

For those with access to an internet browser with Macromedia Flash installed, you can find a useful introduction to Quantile measures by clicking [here](#).

Click [here](#) for the Quantile Framework for Mathematics home page.

Click [here](#) for the TEA site on Quantile Measures.