

Tutor Doctor Lakeway's overview of STAAR Math assessment

ADAM K-7 is a comprehensive diagnostic assessment of mathematics. Aligned with NCTM's five content strands, as well as the Common Core Standards, *ADAM K-7* thoroughly assesses a student's complete mathematical understanding to provide a comprehensive picture of each student's strengths and weaknesses. Using revolutionary adaptive logic, *ADAM K-7* maximizes the information obtained for each student while minimizing test-taking time and anxiety.

Why is it called 'ADAM K-7?'

ADAM K-7 stands for Adaptive Diagnostic Assessment of Mathematics. In keeping with the spirit of *DORA*, *ADAM K-7* evokes a personal character associated with the assessment, helping to create an inviting testing atmosphere and decrease test anxiety.

How is ADAM K-7 organized?

In *ADAM K-7*, students are presented with a number of test items across a wide range of constructs. Strands tested include: 1) Numbers and Operations, 2) Algebra, 3) Geometry, 4) Data Analysis, and 5) Measurement. *ADAM K-7* isolates students' mastery levels across 44 sub-tests in five strands and includes critical problem-solving items.

Is ADAM K-7 aligned to state standards?

As with all Let's Go Learn assessment products, *ADAM K-7* is aligned to many state standards, as well as the TEKS and the Common Core standards.

How were assessment items developed?

Under the guidance of Let's Go Learn mathematics expert Paul Giganti, math specialists and classroom math teachers worked to develop items in each of the 44 sub-tests.

Who should use ADAM K-7?

ADAM K-7 is appropriate for use with students in grades K-7 as well as with older students whose math performance is below grade level. *ADAM K-7* offers three user interfaces, ensuring that all students are greeted by an age-appropriate interface regardless of the items being tested.

How can ADAM K-7 be used with special needs students?

ADAM K-7 features oral reading of the test items to eliminate any potential reading confounds, ensuring that only essential math skills are being tested for all students below grade 4. For older students, teachers may opt to adjust the starting grade level downward to reduce any start-of-assessment difficulty that may be experienced by students who are many years below grade level. In addition, instructions are provided both orally and in writing to help ensure that all students understand each assessment item.

How can ADAM K-7 be used by home schoolers?

ADAM K-7's easy-to-navigate student management system and detailed reports simplify the math evaluation process for homeschooling parents. The student management system also tracks students' subsequent assessment scores and measures improvement. Summary, detailed, and state standards reports are available, making it easy for homeschooling parents to use *ADAM K-7* results to drive math instructional decisions. Because *ADAM K-7* can be administered by individual strand, the progress monitoring capabilities are much greater, allowing for the monitoring of student growth and progress.

How long does ADAM K-7 take to administer?

For Kindergartners, the assessment will take between 10 and 15 minutes. Test time will increase as the grade level of the student goes up because more math constructs will be assessed. Depending on the student, 6th to 7th graders on grade level may take up to a maximum of two hours, but administration may be divided over multiple sittings.