

TCAP Mathematics

End of Course Assessment Overview

Mathematics Assessment Overview

This fact sheet provides information about the TCAP Mathematics End of Course (EOC) assessments—Algebra I, Geometry, and Algebra II or Integrated Math I, II, and III. The mathematics assessments will assess the Tennessee Academic Standards through measurement of student mastery and will require students to demonstrate a deep conceptual understanding of mathematics, number sense, fluency, problem solving, and understanding of the course-level horizontal coherence embedded within the standards.

The math assessments are administered in three subparts, the first of which is **without** a calculator.

All TCAP End of Course Assessments will be administered using online testing. For more information on TCAP EOC assessments, click [here](#).

Students to be Tested

Students who are enrolled in an EOC class, regardless of what grade level, must take the assessment pertinent to that class. The Tennessee State Board of Education High School Policy 2.103 ([here](#)) states that “Students shall take the examinations in the semester they complete the relevant course work or at the earliest available test administration. Only students who are enrolled in a course with an associated End-of-Course examination shall take the End-of-Course examination. Students enrolled in a substituting course without an End-of-Course examination explicitly tied to the State Board of Education-approved content standards of that course shall not take an End-of-Course examination. This exemption applies to all substituting courses, including, but not limited to, Advanced Placement, Cambridge AICE, International Baccalaureate, local and statewide dual enrollment, and local and statewide dual credit courses.” In summation, students in substituting courses are not obligated to take these assessments.

Test Administration Schedule

For a full schedule of all statewide assessments, see the testing administration windows on the department’s [website](#).

Within the state testing window, testing schedules are established **by the district at the school and/or district level**. It is at the district’s discretion to allow schools to set their own testing schedules, independent of a district testing schedule.

Test Administration Subpart Timing and Structure

The timing and details for each subpart of the math EOCs are outlined in Table 1.

Table 1. Subpart Timing and Structure

The following timing details are applicable to the math EOCs. The testing structure below reflects the total of both the number of operational assessment items and the number of field test assessment items.

Subpart 1 (No Calculator)	Subpart 2 (Calculator)	Subpart 3 (Calculator)	Summary
<ul style="list-style-type: none">• 40 minutes• 16-19 items	<ul style="list-style-type: none">• 55 minutes• 21-27 items	<ul style="list-style-type: none">• 45 minutes• 19-21 items	Total time: 140 minutes Total items: 56-67

Assessment Blueprints

Assessment blueprints are designed to show educators a summary of what will be assessed on each assessment. This resource is designed to help educators as they plan for the upcoming school year. Assessment blueprints can be found [here](#).

Item Types

All items on TCAP math assessments are worth one point, and do not allow for partial credit.

The TCAP end of course mathematics assessments are administered using **Selected Response** and **Technology Enhanced** item types. These item types are used in multiple ways to elicit responses that demonstrate understanding of the Tennessee Academic Standards for Math:

Selected Response items used for TCAP EOC math assessments can include:

- Multiple Choice - These are items with four answer options and only one correct answer.
- Multiple Select - These are items with more than four answer options and multiple correct answers.

Technology Enhanced items utilize online assessment platform capabilities. A sampler containing the various types of Technology Enhanced items students may encounter can be found on SchoolNet and on TestNav [here](#). Use directions below for access:

- Select Tutorials (below the login prompt).
- Under TCAP Samplers, select Start.
- Enter your name as "Guest" and select Start.

Additional Resources

The department has provided the following resources to support educators and students:

- **SchoolNet** is a TDOE-provided assessment platform. Resources include released items and various formative assessments across all TCAP-assessed contents and grade levels. There are ready-made assessments, as well as item banks for users to access and create custom assessments. SchoolNet can be accessed [here](#).
- **Released Items** are also available in PDF documents on the Assessment Development LiveBinder [here](#).

Please visit the [department's website](#) for more information about the statewide assessment program.