

2019-20 TCAP Mathematics

End-of-Course Assessment Fact Sheet

Revised Jan. 2020

Mathematics Assessment Overview

This fact sheet provides information about the TCAP mathematics end-of-course (EOC) assessments—Algebra I, Algebra II, and Geometry 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.

For more information on TCAP EOC assessments, click [here](#).

Students to be Tested

Students who are enrolled in an EOC class, regardless of grade level, must take the assessment pertinent to that class. The Tennessee State Board of Education High School Policy 2.103 ([here](#)) states that “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 curriculum 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, International Baccalaureate, dual enrollment, and 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](#).

Test Administration Times

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

Table 1. Subpart Timing

The following timing details are applicable to all mathematics end-of-course assessments.

| Subpart 1 (No Calculator) | Subpart 2 (Calculator) | Subpart 3 (Calculator) | Summary |
|---|---|---|---|
| <ul style="list-style-type: none"> □ 35 minutes □ 13-18 items | <ul style="list-style-type: none"> □ 50 minutes □ 11-25 items | <ul style="list-style-type: none"> □ 60 minutes □ 11-21 items | Total time: 145 minutes Total items: 53–64 |

Performance Levels and Scale Scores

Student performance on Tennessee’s statewide assessments is categorized into four performance levels.

Table 2 provides information regarding student achievement at each performance level for the TCAP math tests. This information is provided on student reports so that students, parents, and educators may interpret student results in a meaningful way.

Table 2: Performance Levels

| Level 1 (Below) | Level 2 (Approaching) | Level 3 (On-track) | Level 4 (Mastered) |
|---|--|--|--|
| Performance at this level demonstrates that the student has a minimal understanding and has a nominal ability to apply the grade/course-level knowledge and skills defined by the Tennessee Academic Standards. | Performance at this level demonstrates that the student is approaching understanding and has a partial ability to apply the grade/course-level knowledge and skills defined by the Tennessee Academic Standards. | Performance at this level demonstrates that the student has a comprehensive understanding and has a thorough ability to apply the grade/course-level knowledge and skills defined by the Tennessee Academic Standards. | Performance at this level demonstrates that the student has an extensive understanding and has an expert ability to apply the grade/course-level knowledge and skills defined by the Tennessee Academic Standards. |

Performance level scale score ranges for TCAP math assessments are provided in Table 3 below.

Table 3. Performance Levels for the TCAP Math EOC Scale Scores

| Assessment | Level 1 | Level 2 | Level 3 | Level 4 |
|---------------------|----------------|----------------|----------------|----------------|
| Algebra I | 200–306 | 307–325 | 326–344 | 345–450 |
| Algebra II | 200–300 | 301–318 | 319–343 | 344–450 |
| Geometry | 200–303 | 304–320 | 321–341 | 342–450 |
| Integrated Math I | 200–304 | 305–324 | 325–345 | 346–450 |
| Integrated Math II | 200–300 | 301–315 | 316–344 | 345–450 |
| Integrated Math III | 200–305 | 306–327 | 328–348 | 349–450 |

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 for 2019-20 can be found on the department website [here](#).

Test Administration Information

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. Please see details on subparts for each subject and grade level on the updated testing times chart [here](#).

Item Types

The department is committed to producing quality summative assessments that accurately measure student achievement because of the importance and use of assessment data. In order to comply with state law to administer all 2019-20 TCAP assessments solely in paper format and ensure the timely delivery of assessment data back to districts, the department has updated the format for math exams to include only selected response items. These updates, which apply only to assessments developed for the 2019-20 school year, include:

- Grades 6-8 and end of course (EOC) assessments will only consist of **Multiple Choice**, **Multiple Select**, and **Matching Table** items.

Practice Tests

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

- **Paper practice tests:** PDF versions of practice tests are available on the Assessment Development LiveBinder ([here](#)).

Additional Information

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