

TCAP Mathematics

Grades 6-8 Assessment Fact Sheet

Mathematics Assessment Overview

This fact sheet provides information about the TCAP mathematics grades 6-8 assessments. 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 grade-level horizontal coherence embedded within the standards. The math assessments are administered in three subparts, the first of which is **without** a calculator.

For information on the other TCAP assessments in grades 6–8, click [here](#).

Test Administration Schedule

For a full schedule of all statewide assessments, see the Statewide Assessment Schedule on the department’s [website](#).

Test Administration Times

The timing and details for each subpart of the math assessment in grades 6-8 is outlined in Table 1.

Table 1. Subpart Timing

The following timing details in Table 1 are applicable to all mathematics Grades 6-8 assessments.

Table 1: Subpart Timing

Subpart 1 (No Calculator)	Subpart 2 (Calculator)	Subpart 3 (Calculator)	Summary
<ul style="list-style-type: none"> • 40 Minutes • 18-24 Items 	<ul style="list-style-type: none"> • 35 Minutes • 12-17 Items 	<ul style="list-style-type: none"> • 50 Minutes • 14-23 Items 	Total Time: 125 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 for grades 6-8 are provided in Table 3 below.

Table 3. Performance Levels for the TCAP Math Grades 6-8 Assessment Scale Scores

Assessment	Level 1	Level 2	Level 3	Level 4
Grade 6	200–306	307–339	340–381	382–450
Grade 7	200–294	295–338	339–378	378–450
Grade 8	200–295	296–329	330–366	367–450

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 TCAP mathematics assessments may include **Selected Response** and **Constructed Response** item types. These item types can be used in multiple ways to elicit responses that demonstrate understanding of the Tennessee Academic Standards for Mathematics for Grades 6-8.

Selected Response items used for TCAP GRADES 6-8 mathematics assessments can include:

- Multiple choice
- Multiple select
- Matching table

Constructed Response items used for TCAP Grades 6-8 mathematics assessments can include:

- Text entry
- Numeric entry
- Graphing

The TCAP assessments for Grades 6-8 may contain items which are composed of two parts, Part A and Part B. These items may use either or both of the item types above.

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.