



**DC
CAPE**

DC COMPREHENSIVE
ASSESSMENTS OF
PROGRESS IN EDUCATION

DC Comprehensive Assessments of
Progress in Education (DC CAPE)

Spring 2024 Assessment Design
and Blueprint

Math Grades 3–8, Algebra I,
Geometry, and Algebra II



Contents

| | |
|--|---|
| What is the DC Math assessment? | 3 |
| How is the DC Math assessment administered? | 3 |
| Who takes the DC Math assessment? | 3 |
| What is the DC Math test design? | 4 |
| What factors guide item selection? | 4 |
| Which forms are available for students taking DC Math? | 5 |
| Where can I find more information? | 5 |
| Appendix: Math Blueprint | 6 |

What is the DC Math assessment?

Beginning in the 2023-24 school year, DC implemented a new name for its general statewide assessment system, which includes assessments in English language arts/literacy (ELA), mathematics and science. The District of Columbia Comprehensive Assessments of Progress in Education (DC CAPE) include the DC ELA assessment (DC ELA), the DC Math assessment (DC Math) and the DC Science assessment (DC Science). Together, these assessments create a comprehensive system that provides important information on students' progress and proficiency relative to DC's educational standards.

From 2015 to 2023, DC was a member of the Partnership for Assessment of Readiness for College and Careers (PARCC) consortium. As a PARCC member state, DC was able to partner with other states to develop high-quality assessments aligned to the Common Core State Standards (CCSS). Building upon this foundation, the DC Math assessment, as part of DC CAPE, will continue the same rigorous development and review process to best measure the same knowledge and skills that matter most for DC students.

How is the DC Math assessment administered?

DC Math is a computer-based assessment that allows for the use of a variety of innovative item types where students can apply critical-thinking skills to demonstrate their understanding of the CCSS.

Who takes the DC Math assessment?

In Spring 2024, DC Math will be administered to students in grades 3 through 8 and to students enrolled in courses that cover high school standards aligned to the Algebra I, Algebra II, and Geometry assessments.

What is the DC Math test design?

DC Math tasks are categorized by type as described below:

- Type 1 tasks assess concepts, skills, and procedures. These tasks are worth one, two, or four points.
- Type 2 tasks assess mathematical reasoning. These tasks are worth three or four points.
- Type 3 tasks assess modeling or application. These tasks are worth three or six points.

Each task type can be assessed with multiple choice (MC), multiple select (MS), fill-in-the-blank (FIB) or technology-enhanced interactions (TE). All tasks are standalone.

This table summarizes the structure of the Spring 2024 DC Math assessment.

| Spring 2024 DC Math Assessment | | | |
|-------------------------------------|-----------|---------------------------|--------------------------------|
| Grade/Course | Section* | Part | Section Testing Time (Minutes) |
| 3 -5 | Section 1 | Non-calculator | 60 |
| | Section 2 | Non-calculator | 60 |
| | Section 3 | Non-calculator | 60 |
| 6-7 | Section 1 | Non-calculator/Calculator | 60 |
| | Section 2 | Calculator | 60 |
| | Section 3 | Calculator | 60 |
| 8 | Section 1 | Non-calculator | 60 |
| | Section 2 | Calculator | 60 |
| | Section 3 | Calculator | 60 |
| Algebra I Geometry Algebra II | Section 1 | Non-calculator/Calculator | 90 |
| | Section 2 | Calculator | 90 |

*Field test items are embedded into some sections.

What factors guide item selection?

The test blueprint for each grade guides item selection. High-level blueprints for DC Math are in the Appendix.

Which forms are available for students taking DC Math?

OSSE is committed to providing an accessible testing experience for all students. The forms offered to students taking the DC Math assessment include:

- Braille
- Paper, including large print
- Human reader
- Text-to-speech (TTS)
- Spanish, including paper and TTS

The following tools are available in TestNav to assist any student testing online:

- Answer eliminator
- Answer masking
- Bookmark
- Calculator (grades 6 and higher for selected sections)
- Color Contrast
- Highlighter
- Line reader
- Magnifier
- Pointer tool
- Pop-up glossary
- Protractor (selected grades)
- Ruler (selected grades)
- Spell check
- Writing tools
- Zoom control

Where can I find more information?

For more information about DC CAPE, visit the OSSE [State Assessments](#) website or email the Office of Assessments at OSSE.Assessments@dc.gov.

