

Winter 2023-2024 Grade 6 Mathematics Growth Assessment

(Effective for Winter 2024-2025)

In the 2023-2024 school year, students in Virginia public schools will take growth assessments in Grades 3-8 Reading and Mathematics. Legislation passed in the 2021 Virginia General Assembly ([HB2027](#) and [SB1357](#)) requires these assessments be administered to students once in the fall and once in the winter (mid-year). In addition to the growth assessments, the Standards of Learning (SOL) tests for Grades 3-8 Reading and Mathematics will continue to be administered. Test items at, below, and above a student’s grade level may be delivered online via the computer adaptive algorithm as appropriate for the student. **Please note that the winter 2023 computer adaptive test for Grade 6 Mathematics will begin with questions that assess [Grade 6 Mathematics SOL](#) that are primarily taught first semester⁺, and the overall test may include test questions that assess Grade 5, Grade 6, or Grade 7 Mathematics SOL.**

Test Blueprint Summary Table

Reporting Category	Grade 6 SOL Eligible to Appear in the Winter 2023 Growth Assessment ⁺	Number of Items Winter 2023 Growth Assessment Computer Adaptive Test (CAT) Format**	Number of Items Winter 2023 Growth Assessment Paper Format
Number and Number Sense	6.1 6.2a*, b* 6.3a-c 6.4	13 (about 54% of the test)	7 (about 18% of the test)
Computation and Estimation	6.5a*, b, c 6.6a*, b, c*		9 (about 24% of the test)
Measurement and Geometry	6.7a-c 6.8a-b 6.9	4 (about 17% of the test)	8 (about 21% of the test)
Probability, Statistics, Patterns, Functions, and Algebra	6.10a-c 6.11a-b 6.12a-d 6.13 6.14a-b	7 (about 29% of the test)	14 (about 37% of the test)
Number of Operational Items on Test		24	38

⁺Bold font in the table indicates the SOL that are primarily taught first semester, based on commonalities among pacing charts collected in 2020 from several school divisions.

*Items measuring these SOL will be completed without the use of a calculator. SOL test items measured without the use of a calculator will include a “no calculator” picture and will be completed without the use of a calculator. Calculator-active items will have the online calculator included with the item. Please refer to the list of [Online Mathematics Tools](#) available on the Grades 3-8 Mathematics Growth Assessments for additional information.

**The online CAT includes multiple-choice questions and technology-enhanced items (TEI). The number of TEI on the CAT can range from 10% to 30% as the test meets the blueprint requirements and adapts to the performance level of the individual student.

The formula sheet will appear as an exhibit in an online mathematics test when a student receives a test item at the grade level that allows a formula sheet. Please refer to the list of Online Mathematics Tools available on the Grades 3-8 Mathematics Growth Assessments for additional information.

Technology-Enhanced Item Types

There are different types of technology-enhanced items (TEI). Some examples include:

- drag and drop,
- hot spot,
- bar graph or histogram, and
- fill-in-the-blank.

[Introduction to TestNav 8: Multiple-Choice/Technology-Enhanced Item Tests](#) provides a brief description of the different types of TEI, including what is needed for a TEI to be considered "answered."