

## Calculator and Reference Sheet Policies for Florida Statewide Assessments

### Calculators

	FSA	NGSSS
<b>Grades 3-6</b>	<p><b>Grades 3-6 Mathematics</b></p> <ul style="list-style-type: none"> <li>No calculator permitted for Grades 3-6 FSA Mathematics tests.</li> </ul>	<p><b>Grade 5 Statewide Science Assessment</b></p> <ul style="list-style-type: none"> <li>No calculator permitted for Grade 5 Science.</li> </ul>
<b>Grades 7-8</b>	<p><b>Grades 7-8 Mathematics</b></p> <ul style="list-style-type: none"> <li>Online scientific calculator provided in the computer-based testing (CBT) platform for Sessions 2 and 3 of the Grades 7 and 8 FSA Mathematics tests.</li> <li>A demo version of the online calculator may be accessed on the <a href="#">Florida Statewide Assessments Portal</a> for use in the classroom.</li> <li>CBT students may use an approved handheld scientific calculator during Sessions 2 and 3.</li> <li>Students with paper-based accommodations must be provided an approved handheld scientific calculator for Sessions 2 and 3.</li> <li>See below for a list of approved handheld scientific calculators, as well as a list of prohibited functionalities for calculators. Calculators that allow these prohibited functionalities may not be used.</li> </ul>	<p><b>Grade 8 Statewide Science Assessment</b></p> <ul style="list-style-type: none"> <li>A four-function calculator must be provided for students taking Grade 8 Science.</li> <li>Students may not be provided a scientific calculator.</li> </ul>
<b>End-of Course (EOC)</b>	<p><b>FSA Algebra 1 and Geometry EOCs</b></p> <ul style="list-style-type: none"> <li>Online scientific calculator provided in the CBT platform for Session 2 of the Algebra 1 and Geometry tests.</li> <li>A demo version of the online scientific calculator may be accessed on the <a href="#">portal</a> for use in the classroom.</li> <li>CBT students may use an approved handheld scientific calculator during Session 2.</li> <li>Students with paper-based accommodations must be provided an approved handheld scientific calculator for Session 2.</li> <li>See below for a list of approved handheld scientific calculators, as well as a list of prohibited functionalities for calculators. Calculators that allow these prohibited functionalities may not be used.</li> </ul>	<p><b>Biology 1 EOC</b></p> <ul style="list-style-type: none"> <li>An online four-function calculator is provided in the CBT platform.</li> <li>A demo version of the online four-function calculator may be accessed on the <a href="#">portal</a> for use in the classroom.</li> <li>CBT students may use a handheld four-function calculator during testing.</li> <li>Students with paper-based accommodations must be provided a handheld four-function calculator.</li> <li>Students may not be provided a scientific calculator.</li> </ul>

### **Handheld Scientific Calculators for FSA Mathematics**

The following are FDOE-approved calculators for the 2021–2022 school year:

- Texas Instruments TI-30Xa
- Casio fx-260 solar
- Casio fx-82 solar
- Sharp EL-510R
- Sharp EL-510RN

Schools may use calculators not on this list if district Mathematics specialists determine they meet the specifications below. FDOE will not review or approve additional models not listed above. Calculators are only allowed for the calculator session(s) of FSA assessments for Grades 7–8, Algebra 1 and Geometry. Students are not allowed to share calculators. Not every test item in the calculator section will require the use of a calculator.

**Note: A handheld four-function calculator may be provided for FSA computer-based mathematics tests but is not recommended and may not be sufficient for all assessment items.**

Students will need access to the following calculator functions:

- $\pi$
- $x^2$
- Square root ( $\sqrt{\quad}$ )
- $x^3$  or  $x^y$  for Grade 8 and EOCs
- $e^x$  for Algebra 1
- Trigonometric functions for Geometry

Students **may not** use a handheld calculator that has **any** of the following prohibited functionalities:

- CAS (an ability to solve algebraically) or a solver of any kind
- regression capabilities
- a table
- unit conversion other than conversions between degrees and radians (e.g., feet to inches)
- ability to simplify radicals
- graphing capability
- matrices
- a display of more than one line
- text-editing functionality (edit, copy, cut, and paste)
- the ability to perform operations with complex numbers
- the ability to perform prime factorization
- the ability to find gcd or lcm
- wireless or Bluetooth capability or Internet accessibility
- QWERTY keyboard or keypad
- need for an electrical outlet
- calculator peripherals

**Please remember that students may not have access to ANY electronic device, including, but not limited to, cell phones, smartwatches, and smartphones, during testing OR during breaks. They may not, therefore, use any personal electronic device to access a calculator. Use of an electronic device, other than an APPROVED handheld calculator, will result in test invalidation.**

## **Reference Sheets for FSA Mathematics Assessments**

- Reference sheets are available as online references (in a pop-up window) in the CBT platform.
- A paper version is included in each session of the test and answer books for paper-based tests. Students may not tear the reference sheets out of the test and answer books.
- Schools may provide separate hardcopy reference sheets to students.
- Reference sheets with conversions will be provided for FSA Mathematics assessments in Grades 4–8 and EOC Mathematics assessments.
- There is no reference sheet for Grade 3 Mathematics.
- For Grades 4, 6, and 7, and Geometry, some formulas will be provided on the reference sheet.
- For Grade 5 and Algebra 1, some formulas may be included with the test item if needed to meet the intent of the standard being assessed.
- For Grade 8, no formulas will be provided; however, conversions will be available on a reference sheet.

Grade	Conversions	Some Formulas
3	No	No
4	On Reference Sheet	On Reference Sheet
5	On Reference Sheet	With Item
6	On Reference Sheet	On Reference Sheet
7	On Reference Sheet	On Reference Sheet
8	On Reference Sheet	No
Algebra 1	On Reference Sheet	With Item
Geometry	On Reference Sheet	On Reference Sheet

## **Periodic Table of the Elements for NGSSS Statewide Science Assessment Grade 8 and Biology 1 EOC Assessment**

- For paper-based tests (Grade 8 Science and paper-based accommodations for Biology 1 EOC), a paper version of the periodic table is provided to students along with their test materials. A sample version is posted on the [portal](#).
- The periodic table is available as an online reference (in a pop-up window) in the CBT platform for Biology 1 EOC.
- Schools may provide separate hardcopy periodic tables to students taking the CBT Biology 1 EOC. Any hard copy periodic tables must be printed or copied from [the file](#) found on the portal ([www.FSAssessments.org](http://www.FSAssessments.org)).