

## Calculator and Reference Sheet Policies for Florida Statewide Assessments

### Calculators

	FSA/FAST/B.E.S.T.	Statewide Science
<b>Grades 3-5</b>	<p><b>Grades 3-5 FAST Mathematics</b></p> <ul style="list-style-type: none"> <li>No calculator permitted for Grades 3-5 FAST Mathematics assessments.</li> </ul>	<p><b>Grade 5 Science</b></p> <ul style="list-style-type: none"> <li>No calculator permitted for the Grade 5 Science assessment.</li> </ul>
<b>Grade 6</b>	<p><b>Grade 6 FAST Mathematics</b></p> <ul style="list-style-type: none"> <li>Online four-function calculator provided in the computer-based testing (CBT) platform for the Grade 6 FAST Mathematics assessment.</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 a handheld four-function calculator during the assessment.</li> <li>Students with paper-based accommodations must be provided a handheld four-function calculator for the assessment.</li> </ul>	
<b>Grades 7-8</b>	<p><b>Grades 7-8 FAST Mathematics</b></p> <ul style="list-style-type: none"> <li>Online scientific calculator provided in the computer-based testing (CBT) platform for the Grades 7 and 8 FAST Mathematics assessments.</li> <li>A demo version of the online calculator may be accessed on the <a href="#">portal</a> for use in the classroom.</li> <li>CBT students may use a handheld scientific calculator during the assessments.</li> <li>Students with paper-based accommodations must be provided an approved handheld scientific calculator for the assessments.</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 Science</b></p> <ul style="list-style-type: none"> <li>Online four-function calculator provided in the computer-based testing (CBT) platform for the Grade 8 Statewide Science assessment.</li> <li>A demo version of the online calculator may be accessed on the <a href="#">portal</a> for use in the classroom.</li> <li>CBT students may use a basic handheld four-function calculator during the assessment.</li> <li>Students with paper-based accommodations must be provided a basic handheld four-function calculator for the assessment.</li> <li>Students may not be provided a scientific calculator.</li> </ul>

<b>End-of-Course (EOC)</b>	<p><b>FSA Algebra 1 EOC Retake</b></p> <ul style="list-style-type: none"> <li>• Online scientific calculator provided in the computer-based testing (CBT) platform for Session 2 of the FSA Algebra 1 EOC Retake assessment.</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>• Online four-function calculator 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 basic handheld four-function calculator during testing.</li> <li>• Students with paper-based accommodations must be provided a basic handheld four-function calculator.</li> <li>• Students may not be provided a scientific calculator.</li> </ul>
	<p><b>B.E.S.T. Algebra 1 and Geometry EOCs</b></p> <ul style="list-style-type: none"> <li>• Online scientific calculator provided in the computer-based testing (CBT) platform for the B.E.S.T. Algebra 1 and Geometry EOC assessments.</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 a handheld scientific calculator during the entirety of the assessments.</li> <li>• Students with paper-based accommodations must be provided an approved handheld scientific calculator for the assessments.</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>	

### **Handheld Four-Function Calculators for FAST Grade 6 Mathematics**

The following are FDOE-approved four-function calculators for the 2023–2024 school year:

- Texas Instruments TI-108
- Casio HS-4G
- Sharp EL233SB

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. Students are not allowed to share calculators. Not every test item will require the use of a calculator.

Students will need access to the following calculator functions:

- Addition
- Subtraction
- Multiplication
- Division
- Square root
- Percentage

Parentheses, change sign (plus/minus), and memory buttons are allowable.

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

- Tax rate buttons
- Mark up
- Grand total

### **Handheld Scientific Calculators for FSA/FAST/B.E.S.T. Mathematics**

*(FSA Algebra 1 EOC Retake, Grades 7–8 FAST Mathematics, B.E.S.T. Algebra 1 and B.E.S.T. Geometry EOCs)*

The following are FDOE-approved scientific calculators for the 2023–2024 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 assessments and sessions where they are expressly permitted. Students are not allowed to share calculators. Not every test item in the calculator session will require the use of a calculator.

**Note: A handheld four-function calculator may be provided for computer-based mathematics tests that require a scientific calculator 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
- $\sqrt[3]{x}$  or  $\sqrt[y]{x}$  for Grade 8 and EOCs
- 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 greatest common divisor (gcd) or least common multiple (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/FAST/B.E.S.T. Mathematics Assessments**

- Reference sheets are available as online resource (in a pop-up window) in the CBT platform.
- A paper version of the reference sheet is included in each session of the test and answer books for paper-based assessments. Students may not tear the reference sheets out of the test and answer books.
- Schools may provide separate hardcopy reference sheets to students.
- There is no reference sheet for Grade 3 FAST Mathematics.
- For Grades 4, 5, 6, 7, and 8, and B.E.S.T. Algebra 1 and Geometry, some conversions and formulas will be provided on the reference sheet.

<b>Grade/Course</b>	<b>Conversions</b>	<b>Some Formulas</b>
3	No	No
4	On Reference Sheet	On Reference Sheet
5	On Reference Sheet	On Reference Sheet
6	On Reference Sheet	On Reference Sheet
7	On Reference Sheet	On Reference Sheet
8	On Reference Sheet	On Reference Sheet
FSA Algebra 1 EOC Retake	On Reference Sheet	With Item
B.E.S.T. Algebra 1	On Reference Sheet	On Reference Sheet
B.E.S.T. Geometry	On Reference Sheet	On Reference Sheet

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

- For paper-based tests (paper-based accommodations for Grade 8 Science and 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 the Grade 8 Science and the Biology 1 EOC.
- Schools may provide separate hardcopy periodic tables to students taking the CBT Grade 8 Science or Biology 1 EOC. Any hard copy periodic tables must be printed or copied from the [file](https://fsassessments.org/fsa.html) found on the portal (<https://fsassessments.org/fsa.html>).