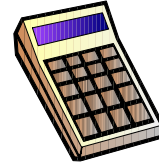


# Calculator Guidelines for Mathematics Content Assessment

## Elementary

A maximum of two non-programmable, non-graphing calculators may be used, including but not limited to:

- Math Explorer
- Texas Instruments' TI-15, TI-30, TI-31, TI-34, TI-35, and TI-36 series
- Casio FX 115, FX 250, FX 300, and FX 570 series
- Radio Shack 4029
- Sharp 506 series calculators



## Middle Grades and High School

A maximum of two calculators permissible under the ACT guidelines may be used for Governor's Cup. You may use any four-function, scientific, or graphing calculator, unless it has features described in the **Prohibited** list. For models on the **Permitted with Modification** list, you will be required to modify some of the calculator's features. Below are the ACT Calculator Guidelines—adapted from [www.actstudent.org](http://www.actstudent.org):

**FAIR WARNING:** The coach is responsible for knowing if a calculator is a permitted model. If a student uses a prohibited calculator, that student's exam will not be scored. KAAC uses ACT testing guideline, should they change.

## Prohibited Calculators

- calculators with built-in or downloaded computer algebra systems (CAS), including:
  - Texas Instruments: all model numbers that begin with TI-89 and TI-92, and the TI-Nspire. The TI-Nspire non-CAS is permitted.
  - Hewlett-Packard: HP Prime, HP 48GII, All model numbers that begin with HP 40G, HP 49G, or HP 50G
  - Casio: Algebra fx-CP400 (ClassPad 400), ClassPad 300 and ClassPad 330, Algebra fx 2.0, all model numbers that begin with CFX-9970G
- handheld, tablet or laptop computers, including PDAs
- electronic writing pads or pen-input devices—The Sharp EL 9600 is permitted.
- calculators built into cell phones or other electronic communication devices
- calculators with a typewriter keypad in QWERTY format—those with letter keys not in QWERTY format are permitted

## Calculators Permitted with Modification

- calculators with paper tape—Remove the tape.
- calculators that make noise—Turn off the sound.
- calculators that can communicate wirelessly with other calculators—Completely cover the infrared data port with heavy opaque material, such as duct or electrician's tape (includes HP-38G and 39G series and HP-48G)
- calculators that have power cords—Remove all power/electrical cords.

## On Competition Day

If you decide to bring a calculator to Governor's Cup, it must not be a prohibited type. Be sure your calculator is working and has reliable batteries. You may bring a spare calculator and extra batteries to the event. Host schools are **not** required to supply batteries or calculators. You will **not** be allowed to share calculators during testing. Proctors will check your calculator to verify it is a permitted type, and they will monitor your use of your calculator. If your calculator has a large display, proctors may seat you where no other test taker can see your calculator.

**Students are not required to clear calculator memory before the event.**

## More Information about Specific Calculator Models

- All calculators in all of these series are prohibited because they have built-in Computer Algebra Systems: Casio CFX-9970G and Algebra fx 2.0, Hewlett-Packard HP-40G and HP-49G, and Texas Instruments TI-89.
- All calculators in the Texas Instruments TI-92 series are prohibited because they have QWERTY (typewriter) keyboards and built-in Computer Algebra Systems. The TI-Nspire (non-CAS) is permitted, as is the TI-84 Plus Silver Edition.
- Calculators in the Hewlett-Packard HP-38G series and HP-48G series may be used only if the infrared communications port is covered with heavy opaque material such as duct tape or electrical tape.

The Sharp EL-9600 is permitted for use, because it is not considered a pen-input device. You may bring the stylus that comes with the calculator.