

Mississippi Academic Assessment Program (MAAP)

Calculator, Ruler, and Protractor Policy

Mathematics Grades 3–8 and Algebra I

Allowable Handheld Calculators

- **Grades 3–5:** No calculators allowed
- **Grades 6 and 7:** Four-function calculators with square root and percentage functions
- **Grade 8:** Scientific calculators
- **Algebra I:** Graphing calculators (with functionalities consistent with TI-84 or similar models)

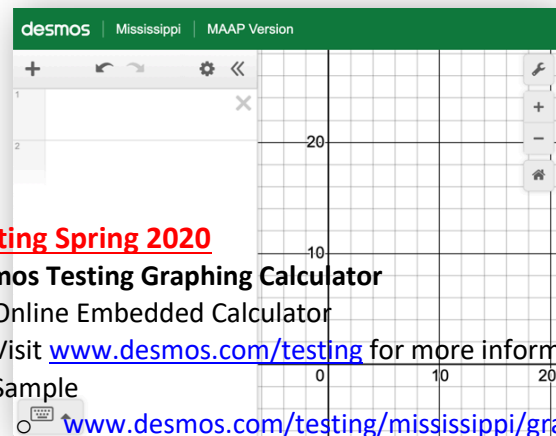
Additionally, schools must adhere to the following guidance regarding handheld calculators:

- Calculators may be used on **ALL** items on the Algebra I End-of-Course (EOC) MAAP assessment and the Grades 6-8 Mathematics MAAP assessments.
- Students may use a handheld four-function (Grades 6 and 7), scientific (Grade 8 only), or graphing calculator (Algebra I only).
- **Grade 7 and Grade 8 students taking Algebra I (EOC) will only be allowed to use graphing calculators for their Algebra I assessment. Graphing calculators are not allowed on any other assessment.**
- Calculators with a Computer Algebra System (CAS) feature are not allowed.
- Calculators with “QWERTY” keyboards are not permitted.
- Tablets, laptops (or PDAs), or phone-based calculators are not allowed during MAAP assessments.
- Students are not allowed to share calculators within a testing session.
- Students are not allowed to have multiple handheld calculators on their desk during testing.
- Test administrators and/or proctors must confirm that **ALL** memory on all calculators has been cleared before and after each testing session. **The calculator must have all formulas, applications, and programs (including, but not limited to, Zoom Math/ Zoom Algebra and Polynomial Solver) disabled or removed before students use them during any state test.** Failure to comply with this portion of the calculator policy will result in a test security violation. Guides for resetting graphing calculator memory can be found in the [Math Resources folder](#) on the MAAP webpage.
- If schools or districts permit students to use personal handheld calculators for MAAP assessment purposes, test administrators **must confirm** that the calculators meet MAAP requirements as defined above.



Starting Spring 2020
Desmos Testing Graphing Calculator

- Online Embedded Calculator
- Visit www.desmos.com/testing for more information.
- Sample www.desmos.com/testing/mississippi/graphing

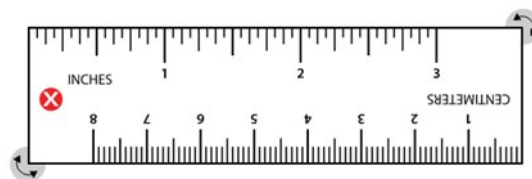


Ruler and Protractor Policy

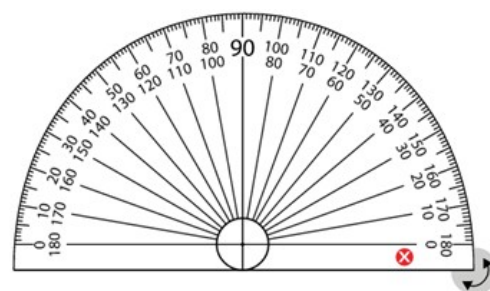
A ruler and a protractor are available as tools in Nextera for the Grades 3–8 and EOC assessments, as shown in the table below. If students are taking a paper/pencil version of the assessment, they may use a familiar ruler or protractor.

- Physical rulers and protractors are **not allowable** for students taking the **online assessment**.
- Rulers are required tools on MAAP items for grades 3–8. Rulers are an allowable tool (but not required) in high school.
- Protractors are required tools on MAAP items for grades 4–7. Protractors are an allowable tool (but not required) in grade 8 and high school.
- For computer-based assessments, the grade-appropriate rulers and protractors are provided through the computer-based platform in grades for which rulers and protractors are required.
- For paper-based assessments, **rulers and protractors are not included in the MAAP provided materials that are shipped to districts/schools**. Districts will be responsible for making sure students have access to these tools.

Sample Nextera-provided ruler:



Sample Nextera-provided protractor:



Summary of Rulers and Protractors on MAAP Mathematics Assessments

Grade(s)/ Course(s)	Nextera Provided	Paper-Based Assessments (Not Provided)
Grade 3	• Ruler (1/4 inch)	• Ruler (1/4 inch)
Grades 4–7	• Ruler (1/8 inch) • Protractor	• Ruler (1/8 inch) • Protractor
Grade 8	• Ruler (1/8 inch) • Protractor	• Ruler (1/8 inch) • Protractor
Algebra I	• Ruler • Protractor	• Ruler • Protractor

- The School Test Coordinator must give directions to the test administrator to have the allowable tools in a pre-determined location in the testing room. Additional administration guidance will be given in the MAAP Test Administrator Manual.
- For grades in which rulers or protractors are allowable but not provided, schools **may** allow students to use their own tools (paper-based assessments). If schools allow students to bring their own tools, they must be given to the school test coordinator or test administrator **prior to** testing to ensure that the tools are appropriate for testing (i.e., tools do not have any writing on them and adhere to the Ruler and Protractor Policy).