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# Online Calculators in the Test Delivery System

2022–2023

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*Prepared by Cambium Assessment, Inc.*



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## Table of Contents

About Calculators in the Test Delivery System .....	3
<i>Standard Calculator</i> .....	3
<i>Scientific Calculator</i> .....	3
<i>Full Function Calculator</i> .....	3
Accessing the Sample Calculators .....	4
<i>Open a Sample Calculator on Windows/Mac/Linux</i> .....	4
<i>Open a Sample Calculator on iPads</i> .....	6

## About Calculators in the Test Delivery System

Students are able to use an online calculator for some grades and subjects of the RISE Assessments as an alternative to handheld calculators, as allowed by the Utah State Board of Education. Starting in the fall of 2016, the Desmos calculators will be embedded within the RISE assessments.

The Desmos calculator is used by millions of students around the world and can be accessed from the web, or on iOS, and Chrome apps. This calculator is fully accessible at the WCAG 2.0 AA level (optimized for blind and visually impaired students).

Three versions will be used in RISE assessments:

### Standard Calculator

Available for: Mathematics Grade 6 (segment 2) and Science Grades 4-6

<http://demo.tds.cambiumast.com/DesmosForAssessments/TDSCalculator.html?mode=basic&url=https://ut.tds.cambiumast.com/student>

Desmos generic version:

<https://www.desmos.com/fourfunction>

### Scientific Calculator

Available for the following tests: Mathematics Grades 7-8 and Science Grades 7-8,

<http://demo.tds.cambiumast.com/DesmosForAssessments/TDSCalculator.html?mode=scientific&url=https://ut.tds.cambiumast.com/student>

Desmos generic version:

<https://www.desmos.com/scientific>

### Full Function Calculator

Available for the following tests: Secondary Mathematics I

<http://demo.tds.cambiumast.com/DesmosForAssessments/TDSCalculator.html?mode=graphic&url=https://ut.tds.cambiumast.com/student>

Desmos generic version:

<https://www.desmos.com/calculator>

The Desmos site ([www.desmos.com](http://www.desmos.com)) contains a wide array of resources to help both teachers and students become familiar with the calculator.

The full Desmos user guide is available at:

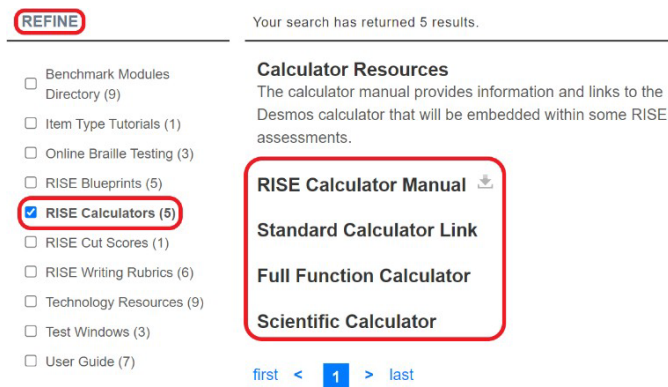
[https://s3.amazonaws.com/desmos/Desmos\\_Calculator\\_User\\_Guide.pdf](https://s3.amazonaws.com/desmos/Desmos_Calculator_User_Guide.pdf)

## Accessing the Sample Calculators

All sample calculators are available on the RISE portal at <https://utahrise.org/resources/rise-calculators/calculator-resources>. We encourage bookmarking the sample calculators so that users can easily open them. Desktop/home screen shortcuts can also be created so that the sample calculators can be accessed without an internet connection. The online calculators work on all supported browsers, as listed in the *System Requirements for Online Testing* on the RISE portal.

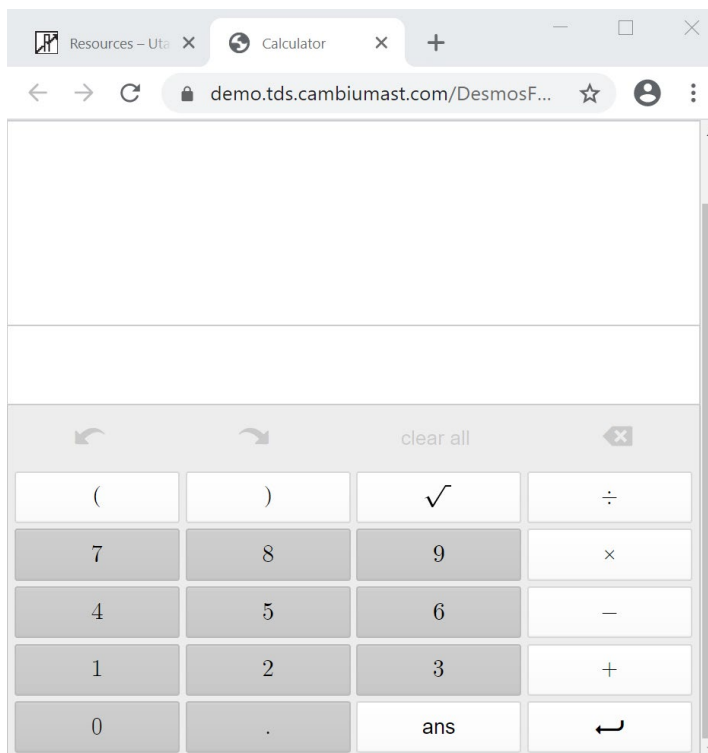
### Open a Sample Calculator on Windows/Mac/Linux

1. Navigate to the RISE portal and click on **Resources** in the top menu header. Under “Refine” check **RISE Calculators**.



2. Click on a [Calculator] link.

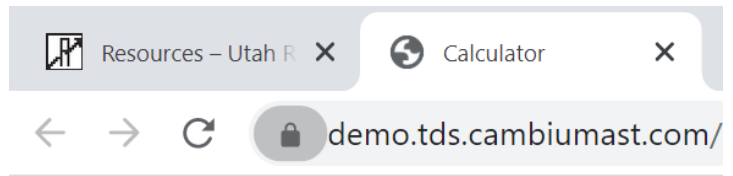
The sample calculator you selected will open in the browser window.



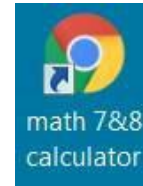
## Create a Desktop Shortcut to the Sample Calculator

*Note: Ensure the browser window does not take up the full monitor.*

1. Use your mouse to hover over the lock icon in the address bar.
2. Click and drag the lock icon to the desktop. A shortcut will appear that says “Calculator” and have the Chrome icon.




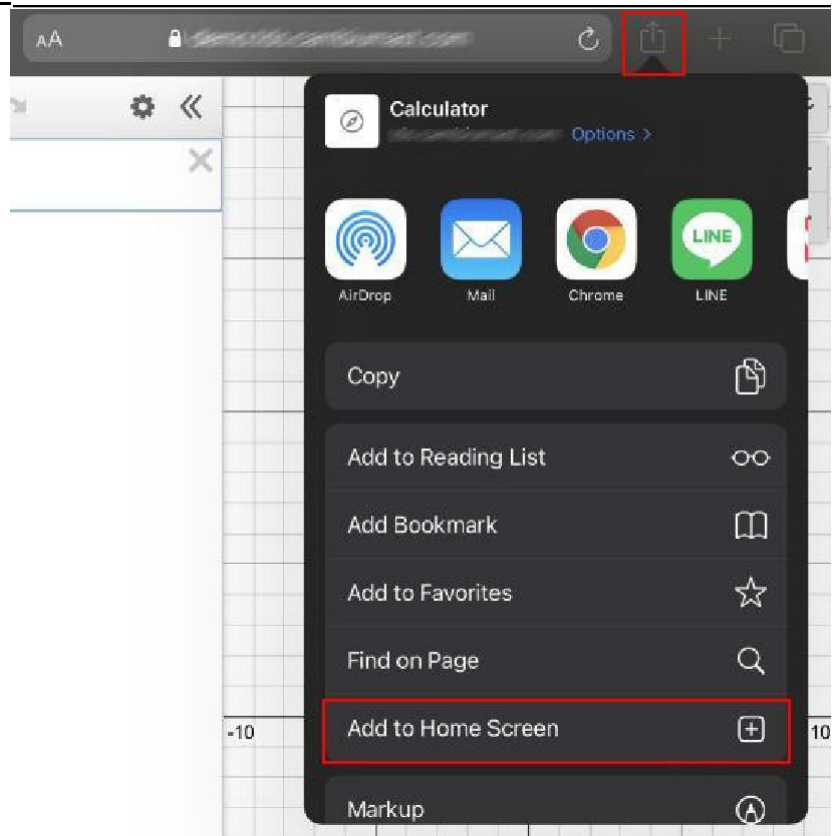
3. *Optional: Rename shortcut icon*
  - a. Click in the icon text and it will become editable.
  - b. Change the text to what you want (e.g., “Graphing Calculator”).
4. Double-click the icon to open the sample calculator. It will open in Chrome.



## Open a Sample Calculator on iPads

### Save a Sample Calculator to your Home Screen

1. Tap the “share” icon , which appears just to the right of the address bar.
2. Tap the **[Add to Home Screen]** icon.



3. *Optional: Rename shortcut icon*  
(By default, all sample calculators are named “Calculator.”)
  - Tap on the text that says “Calculator.”
  - Using the tablet keyboard, add or modify text (e.g., “Graphing Calculator”).
4. Tap the blue **[Add]** link. The shortcut icon will appear on the Home screen.

