

## CLASSWIZ



### 360° Overview

Released in the US in 2025, the **fx-CG100** is the latest generation of color graphing calculator from Casio. The ClassWiz is mathematically feature-rich with a simple visual interface and a clean button layout.

### Highlighted Features

The fx-CG100 ClassWiz Color Graph features a **high-resolution backlit color LCD screen**, increasing the clarity of graphics and symbols.

Tap the **HOME** button to navigate a menu of calculator's apps.

Lost? Wrong menu? Press the **BACK** key to back up one step.

Find mathematical function templates, constants and conversions in the **CATALOG**.

Locate built-in functions and app-specific features using the dedicated **TOOLS** key.

The **ALPHA** key activates any function labeled in orange above each key. Similarly, the **SHIFT** key activates any function labeled in teal.

Configure the app to suit your specific mathematical needs, like adjusting graph settings, set angle modes, output, and more.

The device has a dedicated **ON** button in the top-left corner of the keypad. To turn **OFF** the device, press SHIFT and AC.

**BACKSPACE** will delete the character immediately to the left of the cursor. Use the arrow keys to move the cursor.

Toggle between representations of the solution using the **FORMAT** key (e.g., fraction, decimal, engineering notation,...).

**EXECUTE** and **OK** can be used to enter menus, execute commands, and performs calculations.



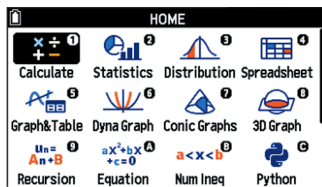
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Technical specifications and exam approval  
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**Flip for software walkthrough**



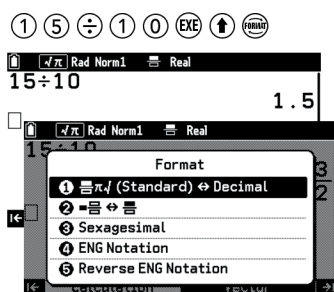
## 1. An App-like Experience

Press the **HOME** key wherever you are to return to the Home menu. Use the arrow keys or shortcuts to navigate the system.



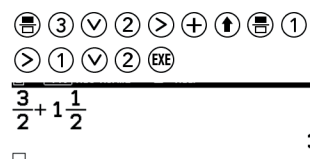
## 2. Answer Format

Change an answer from a decimal to a fraction quickly by using the **FORMAT** key, and cycle through format types by pressing **SHIFT + FORMAT**.



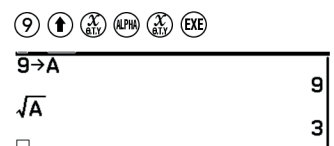
## 3. Fraction Templates

Type fractions and mixed numbers in proper notation.



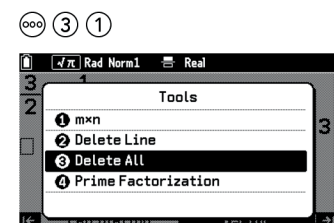
## 4. Store and Recall

Store a value or expression as a variable in memory (up to 26 alpha vars, 20 functions, 26 vectors, 26 matrices, 26 lists).



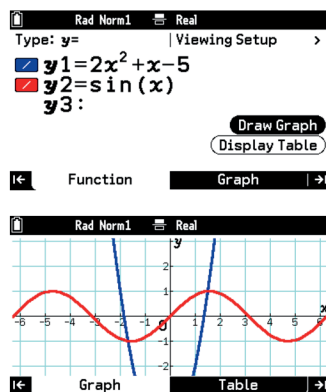
## 5. Clear the Screen

Too much clutter? Clear the screen using the **TOOLS** menu.



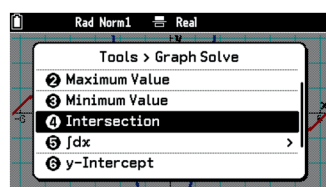
## 6. Drawing Graphs

Key in your functions. Change equality, line, and color settings by tapping **TOOLS**. Arrow down to "Draw Graph" or **TAB RIGHT** to see the result of the graph.

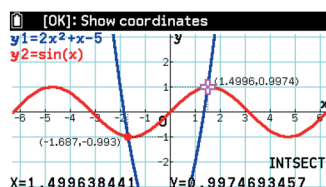


## 7. Analyzing Graphs

Tap **TOOLS** while a graph is displayed to access viewing and analysis tools. Graph Solve helps to find root, min, max, etc.

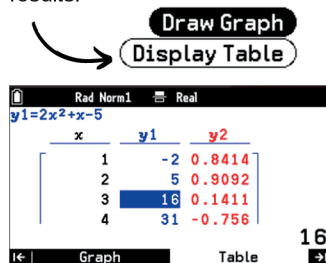


Where there are multiple points of interest, press the arrow keys to "hop" from one point to another.



## 8. Generate Tables

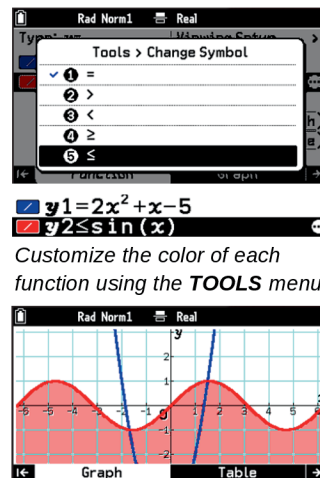
On the **Function** page, key in your functions, then highlight **Display Table** to bring up the results.



Use the tab keys on the keypad to switch between graph and table!

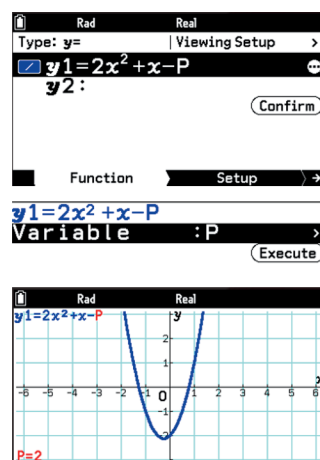
## 9. Draw Inequalities

Change symbols by pressing the **TOOLS** button while an expression is highlighted.



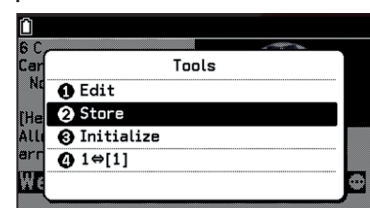
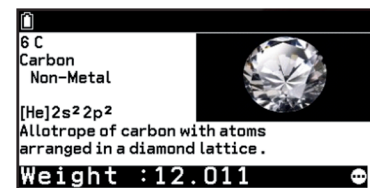
## 10. Dynamic Graphing

See how a graph moves when values change in the **Dynamic Graph** app. Swap a value with a variable and watch as the calculator cycles through values.



## 11. Brave the Elements

Select the **DATABASE** app from **HOME** to view the **Period Table of Elements** and a list of **physical constants** and **conversions**. Navigate through the Periodic Table to view information on each element, and add its averaged **atomic weight** to a variable so that it can be recalled into other apps.



## 12. "Roll for Initiative!"

Use the **Probability Simulation** app to create random numbers and lists of numbers for later analysis.



## Did you know?

The **fx-CG100** is packed with features and functions. These are only a few ways to get started with your graphing calculator.

Check your calculator's manual or visit [casioeducation.com](http://casioeducation.com) for more complex and in-depth calculator functions.

**Questions?** Email the team at [edtech@casio.com](mailto:edtech@casio.com) for assistance.

Flip for hardware walkthrough

