

General Settings

This view shows all the customization settings of the calculator. You can bring it up, at any moment, touching the “**PREF**” key on the calculator’s keyboard or selecting “**General Settings**” from the “**Utilities**” menu in the Main menu.

CALCULATOR

Model	OLD	NEW
Calculation Logic	◀	▶ CHN
Autolock Disable	OFF	ON
Display Brightness	◀	▶ 9

FORMATS

Numbers Format	◀	▶ FIX
Number of Decimals	◀	▶ 2
Decimal Separator	Comma	Point
Dates Format	◀	▶ M.DY
Angle Unit	◀	▶ DEG

FEEDBACK

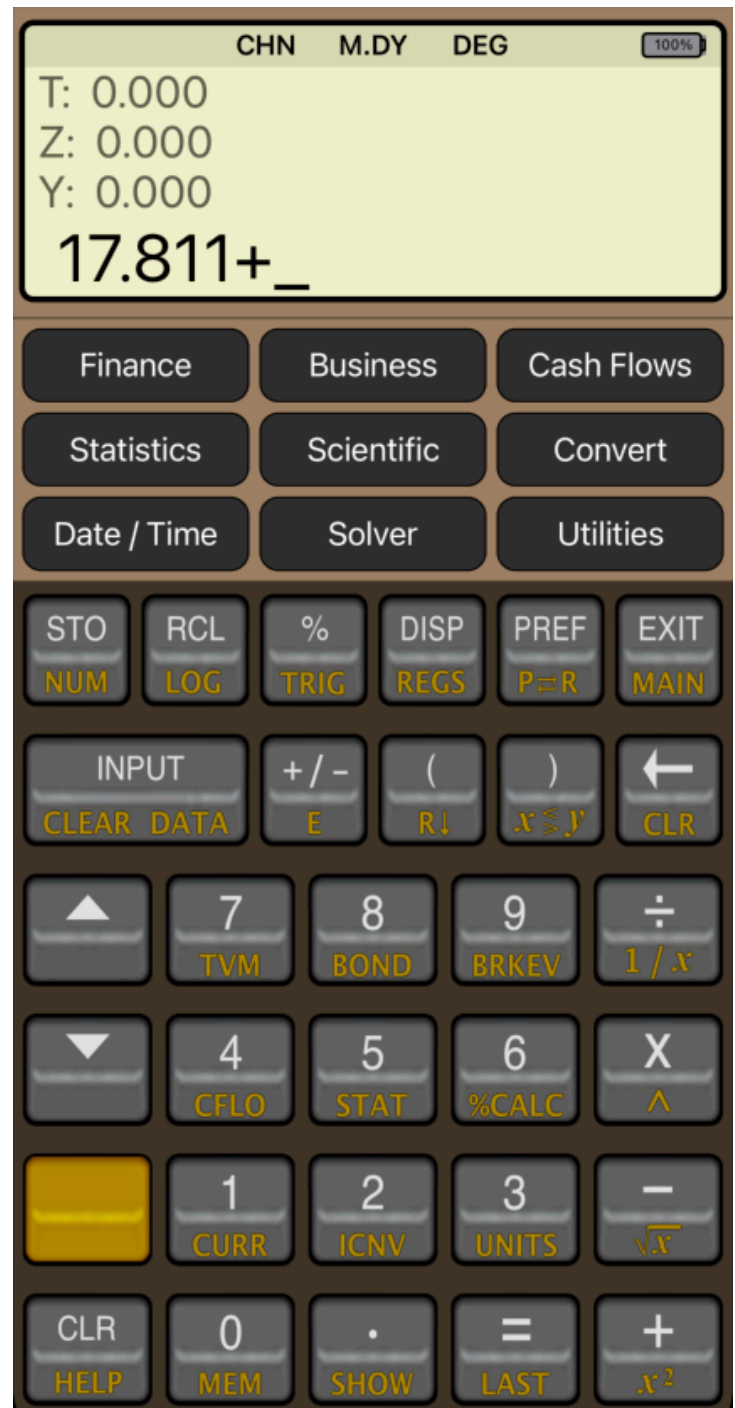
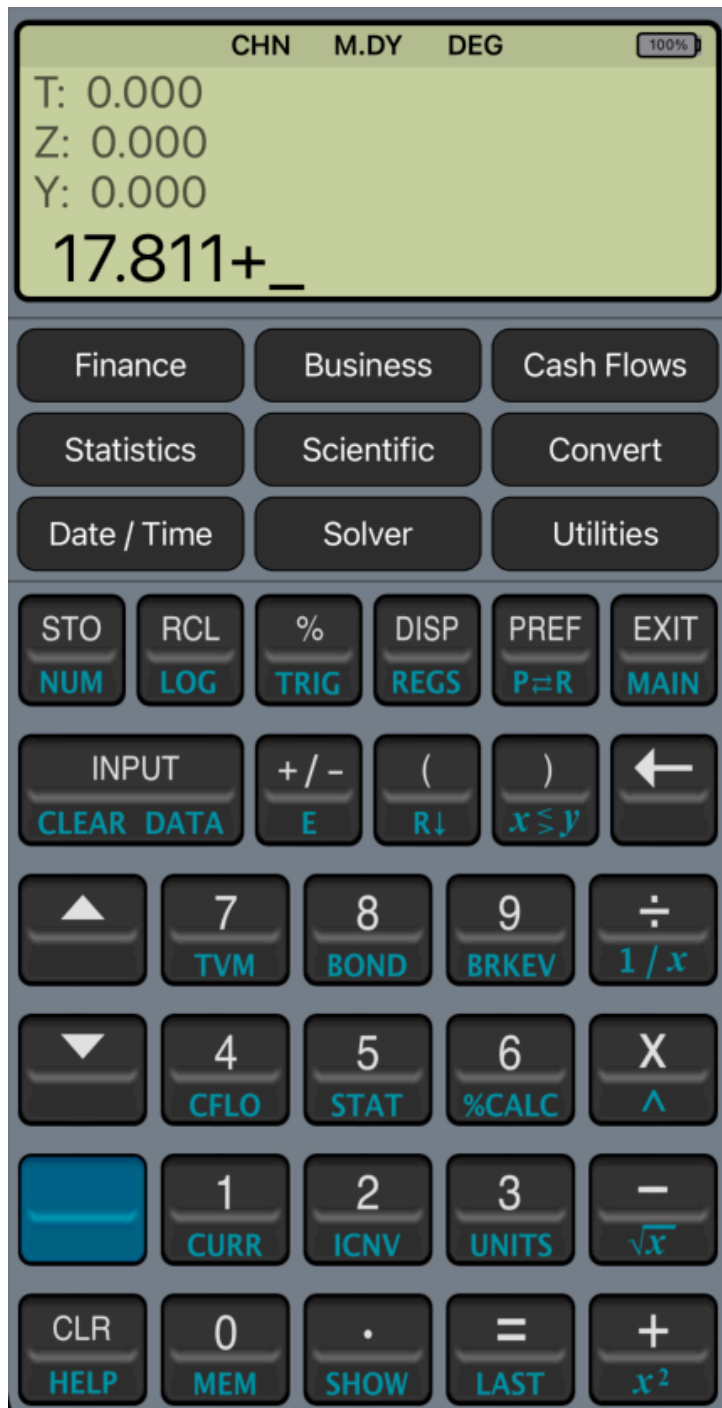
Highlight 'Shift' keys	OFF	ON
Haptic Feedback	OFF	ON
Click Sound	OFF	ON
Click Volume	◀	▶ 9
Effects Sound	OFF	ON
Effects Volume	◀	▶ 5

The view covers the whole app except the status line and display. Leave it with Done, at the bottom right; you return to the menu you came from, with your number still on the display. Default at the bottom left resets everything, and is described at the end.

Row	Choices	Effect
Model	OLD / NEW	The colour scheme of the display and keypad. Nothing else changes.
Calculation Logic	CHN / ALG / RPN	How $+$ $-$ $\times$ $\div$ are evaluated.
Autolock Disable	OFF / ON	ON keeps the phone from locking while the calculator is open.
Display Brightness	1 ... 9	How strong the green of the display is.
Numbers Format	FIX SCI ENG ALL	How results are written.
Number of Decimals	0 ... 12	Decimals shown in FIX, SCI and ENG.
Decimal Separator	Comma / Point	Whether the decimal mark is , or . (the thousands mark is the other).
Dates Format	M.DY D.MY Y.MD	The order in which a date is typed and shown.
Angle Unit	DEG GRAD DMS $\triangle\%$ RAD	The unit of every trigonometric calculation.
Highlight 'Shift' keys	OFF / ON	Lights up the blue labels while shift is pressed.
Haptic Feedback	OFF / ON	A small tap in the phone with every key and menu change.
Click Sound Click Volume	OFF / ON 1 ... 10	The key click.
Effects Sound Effects Volume	OFF / ON 1 ... 10	The other sounds: menu changes, the error tone.

1) Model: OLD or NEW

Tap **OLD** and the whole calculator changes color at once: a gold-and-brown scheme for the **OLD** model, the green-and-grey you have seen so far for the **NEW** one. It is a matter of taste; keys, labels and calculations are identical.

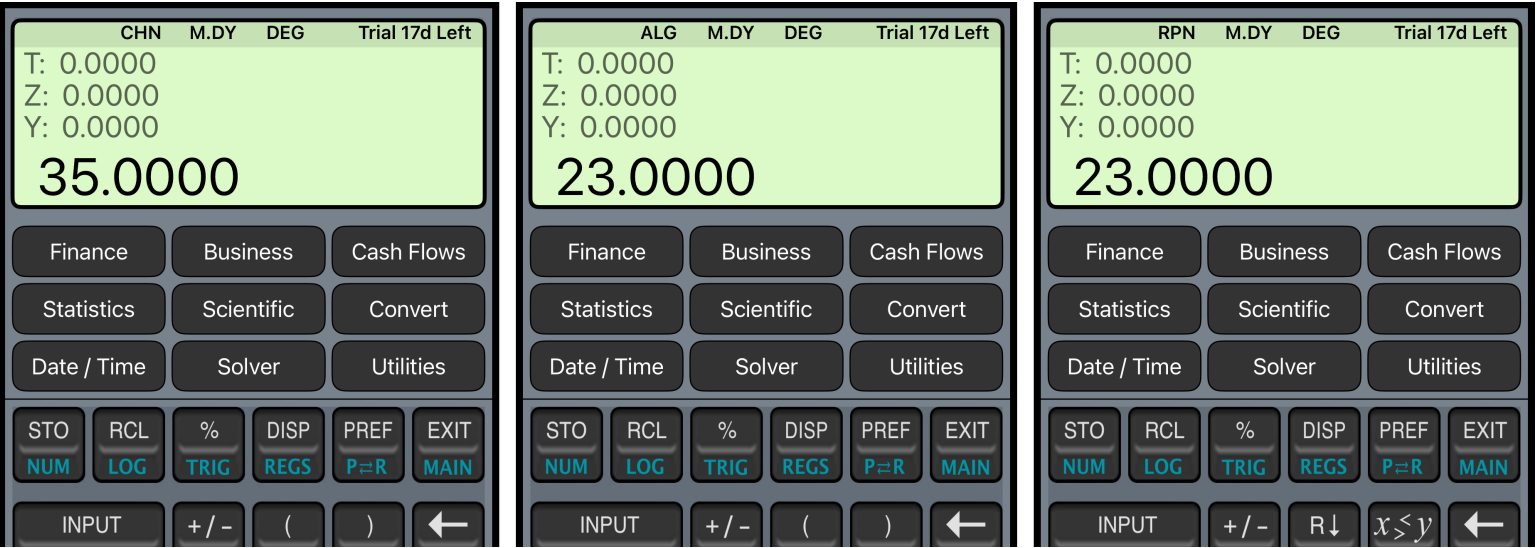


The choice is saved, so the app starts in the model you last chose.

2) Calculation Logic: CHN, ALG or RPN

The same keystrokes mean different things in the three logics. The example is $3 + 4 \times 5$:

Logic	Keys	Result	Why
CHN	$3 + 4 \times 5 =$	35	Chain: each operator works on the running result, so $(3 + 4) \times 5$.
ALG	$3 + 4 \times 5 =$	23	Algebraic: multiplication comes first, so $3 + (4 \times 5)$.
RPN	3 INPUT 4 INPUT 5 $\times$ +	23	Reverse Polish: numbers first, then the operators.

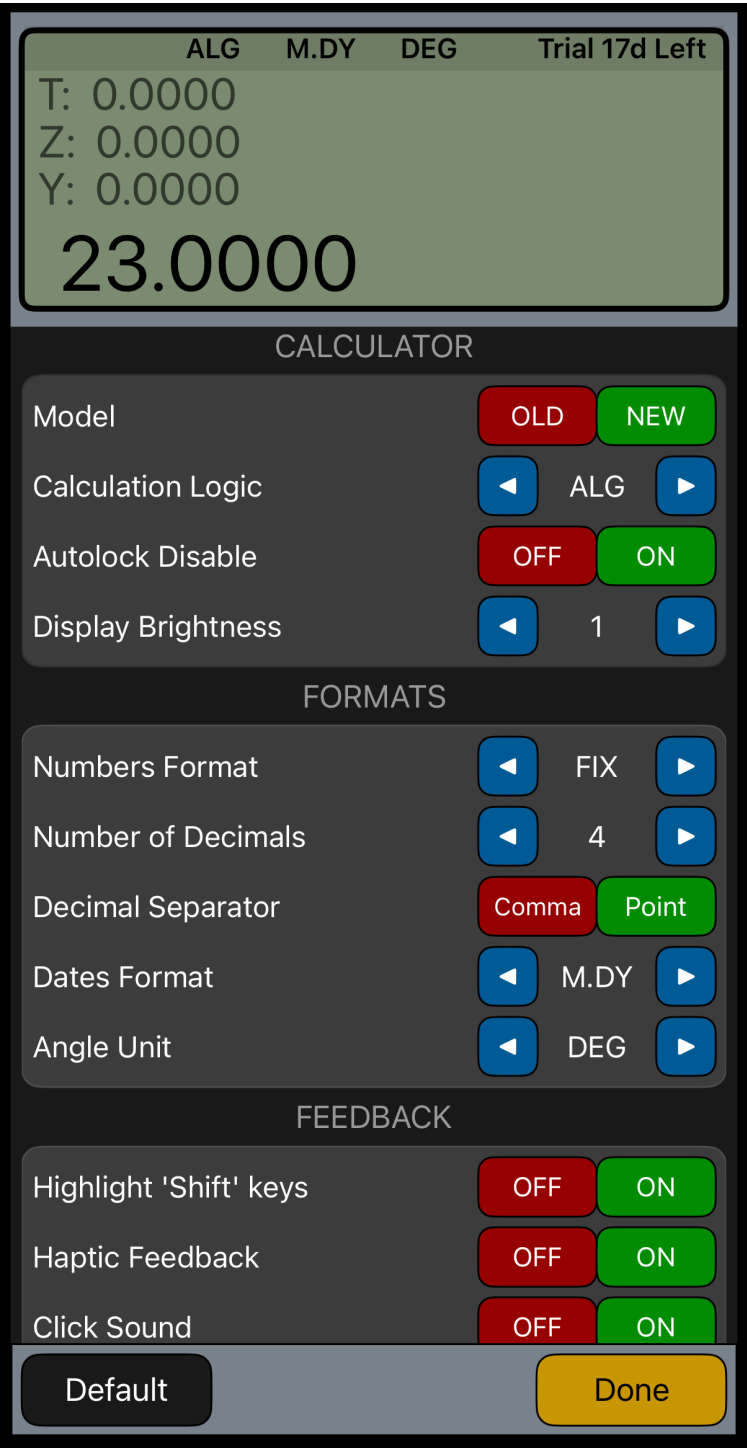


The same screen after CHN (left, 35.0000), ALG (middle, 23.0000) and RPN (right, 23.0000). The status line names the logic.

The triangle buttons step through CHN, ALG and RPN in that order forward or backward. In RPN the two keys beside $+/-$ turn into $R\downarrow$ and $X\rightleftharpoons Y$.

3) Autolock Disable. ON (the default) keeps the screen awake while the app is open, so it does not lock in the middle of a calculation. OFF lets the phone lock as it normally does. The change takes effect at once when you press the button. There is nothing to see on the screen; it is the phone that changes.

4) Display Brightness. The green of the display runs from 1 (faint) to 9 (full). It does not change the phone's own brightness, only the strength of the display color. 9 is the default; the lowest value is 1, so the display never disappears.

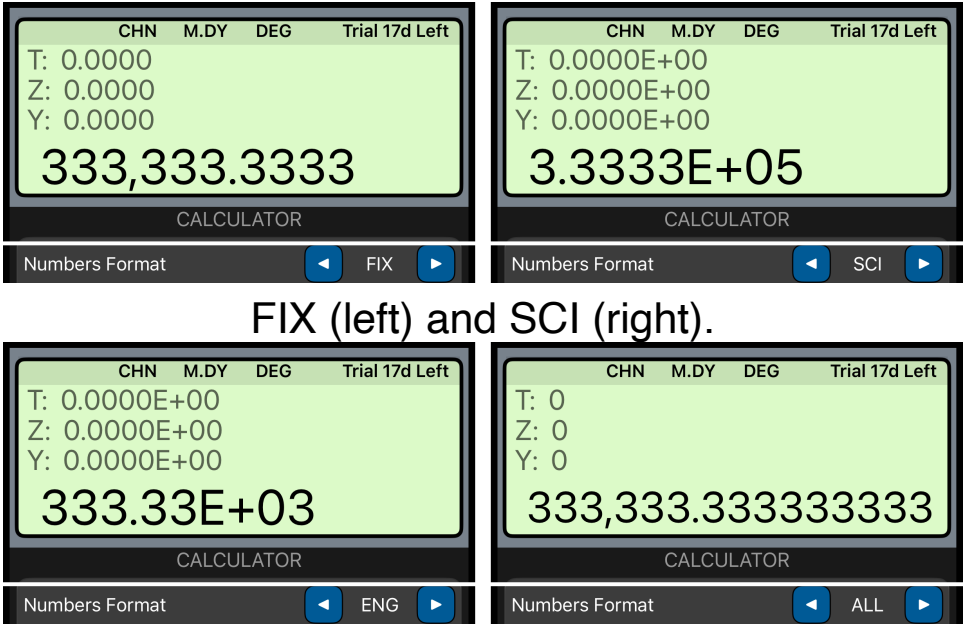


Brightness 1: the display and its figures are much fainter than at 9 (compare with the first page).

5) Numbers Format: **FIX**, **SCI**, **ENG**, **ALL**

The four formats write the same number, $1,000,000 \div 3 = 333,333.3333\dots$, four different ways. Key the number, open the settings, and the display at the top follows each change:

Format	Display	Meaning
FIX	333,333.3333	Fixed decimals: as many as Number of Decimals says (here 4), with thousands marks.
SCI	3.3333E+05	Scientific: one digit, then the decimals, times a power of ten.
ENG	333.33E+03	Engineering: like SCI but the power of ten is always a multiple of three (kilo, mega...).
ALL	333,333.3333333333	Every digit the calculator holds (15 significant digits), whatever Number of Decimals says.



FIX (left) and SCI (right).

ENG (left) and ALL (right).

Reading **ENG** and **ALL**

In **ENG** the figure is 333.33E+03: 333.33 thousand, five significant digits, the same as SCI's 3.3333. The exponent is 3 because 333,333 is a few hundred thousand, and ENG always steps by three. **ALL** ignores the decimals setting and prints what it has: 333,333.3333333333. Fifteen significant digits is the most the calculator keeps; that is why 12 decimals on the next page stops at nine.

The triangle ► steps FIX, SCI, ENG, ALL and back to FIX; ◀ goes the other way, so FIX ◀ lands on ALL.

6) Number of Decimals

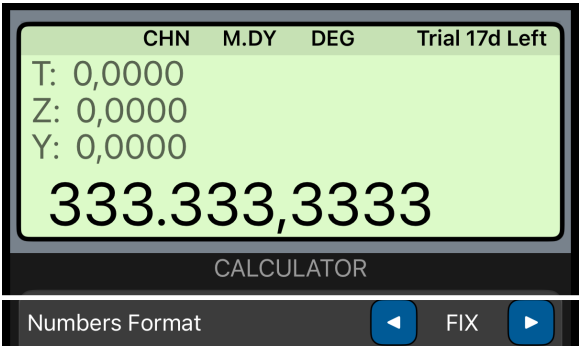
The decimals setting runs from 0 to 12. The triangles stop at both ends: ◀ at 0 and ► at 12 do nothing more. Each step changes the display at once, in FIX, SCI and ENG:

Decimals	FIX shows
0	333,333
1	333,333.3
2	333,333.33
4	333,333.3333
12	333,333.3333333333 (15 digits is the limit)

The setting only changes what is shown. The number the calculator holds keeps all its digits, so setting 0 decimals and back brings 333,333.3333 back.

7) Decimal Separator: Point or Comma

Choose **Comma** and the decimal mark becomes a comma, and the thousands mark a point, throughout the calculator, including the Y, Z and T lines above the display and what you type:



Comma: $1,000,000 \div 3$ shows as 333.333,3333, and the stack lines read 0,0000. Point is the default. The decimal key keeps its engraving whichever you choose.

8) Dates Format

A date is typed as a single number, and the date format says which part comes first. The three choices step with the triangles in the order M.DY, D.MY, Y.MD. One date, 15 January 2024, is keyed three ways; in each case the Date-A button in the Date / Time menu says the same:

Format	Keys	Date-A shows
M.DY	1.152024	Jan 15, 2024 Mon
D.MY	15.012024	Jan 15, 2024 Mon
Y.MD	2024.0115	Jan 15, 2024 Mon

Each picture is the Date / Time menu after typing the number and tapping Date-A. The text **Mon** is the day of the week of 15 January 2024. Note what the format controls: it is how a date is typed as a number; the panel always spells the date out, as Jan 15, 2024.

9) Angle Unit

The unit applies to every trigonometric function and to anything that shows an angle. The triangles step DEG, GRAD, DMS, ∠% and RAD with ► and the other way with ◀. A quick check with sin 30:

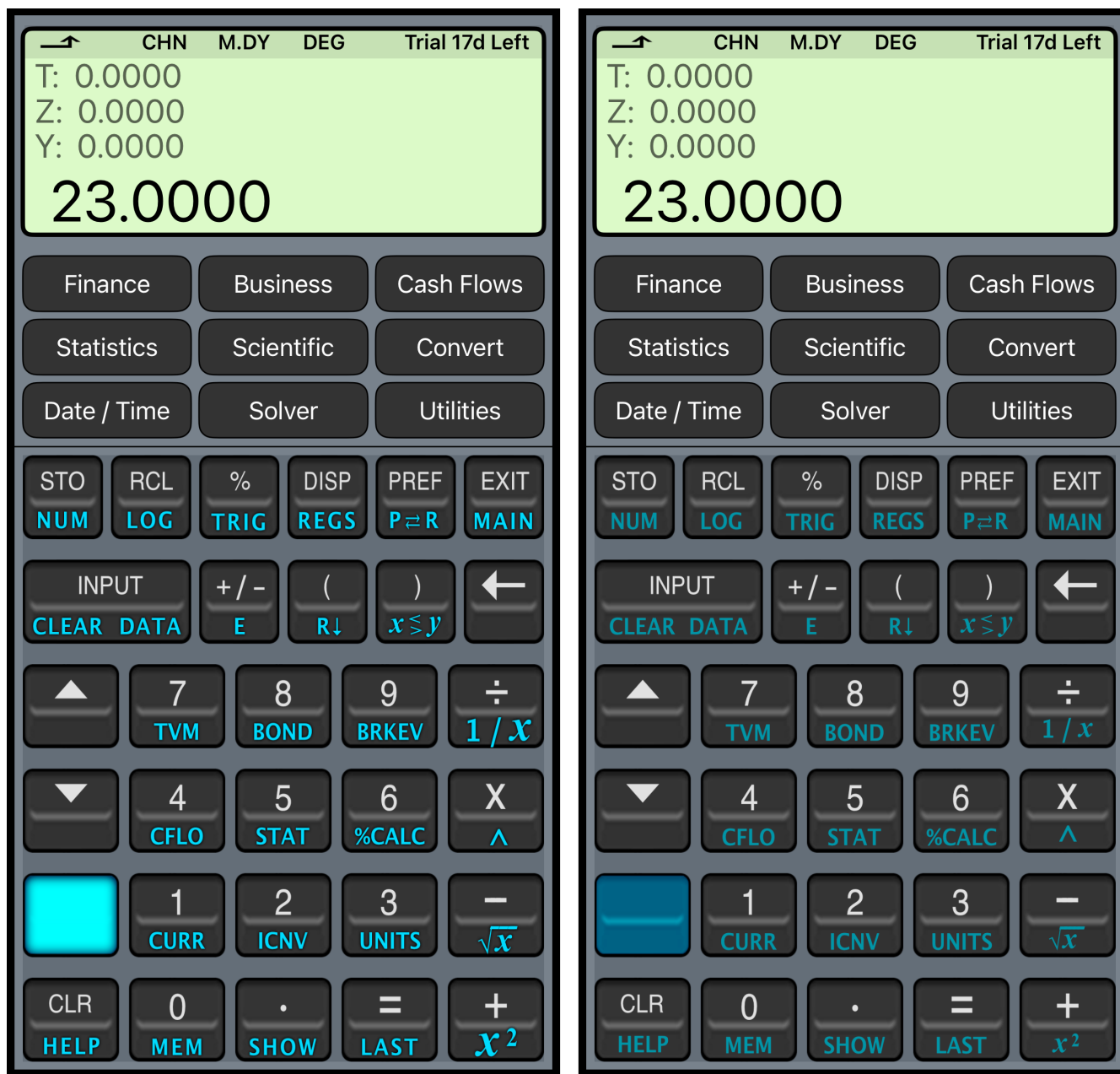
Unit	sin 30 gives	Because
DEG	0.5000	30 degrees: the familiar half.
RAD	−0.9880	30 radians, about 4.8 turns around the circle.

sin(30) in the TRIG menu: 0.5000 in DEG, −0.9880 in RAD.
The status line names the unit.

The TRIG menu has its own DEG, RAD, GRAD, DMS and ∠% buttons down its left side; they set this same setting, and the lit one follows what you choose here.

10) Highlight 'Shift' keys

When shift is pressed, the calculator can light up the blue second-function labels so you can read them at a glance. ON, the default, does that; OFF leaves the keypad as it is. In both cases an arrow in the top left of the status line says shift is waiting.



Shift pressed with Highlight ON (left): bright labels and a bright shift key. With OFF (right): only the arrow in the status line.

Press shift again to cancel it without pressing another key

11) Haptic, Click and Effects

Setting	Choices	What it does
Haptic Feedback	OFF / ON	A short tap in the phone with every key press and every menu change.
Click Sound	OFF / ON	The key click. Pressing ON plays one click so you can hear it.
Click Volume	1 ... 10	How loud the click is. 9 by default.
Effects Sound	OFF / ON	The other sounds: the swish of a menu, the tone of an error. Pressing ON plays one.
Effects Volume	1 ... 10	How loud those are. 5 by default.

The volumes run from 1 to 10 and stop there; the sound grows quickly toward the top. There is no 0: to silence a sound, press **OFF** on its row. The volume buttons play a sample so you can judge the level. Haptic and sound are independent: Haptic OFF with Click ON gives clicks without taps.

12) Default

The Default button at the bottom left sets all fourteen rows back to the factory choices in one tap, and the display follows at once:

Setting	Default	Setting	Default
Model	NEW	Dates Format	M.DY
Calculation Logic	CHN	Angle Unit	DEG
Autolock Disable	ON	Highlight 'Shift' keys	ON
Display Brightness	9	Haptic Feedback	ON
Numbers Format	FIX	Click Sound / Volume	ON / 9
Number of Decimals	2	Effects Sound / Volume	ON / 5
Decimal Separator	Point		