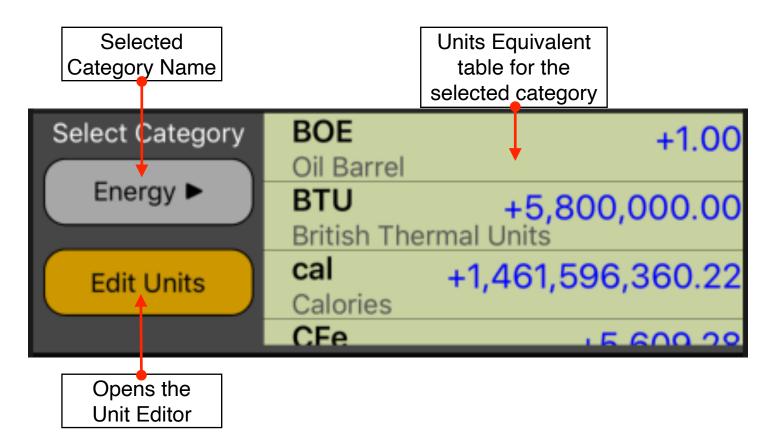# Units Conversion Menu

This menu adds a powerful physical units conversion calculation. To show it, touch the "**BUS**" menu and select "**UNITS**" tab or, "**SCI**" or "**CONV**" menu and select the "Units Conversion" option.

Selected Category Name

Units Equivalent table for the selected category

Select Category		
Energy ▶	**BOE** Oil Barrel	+1.00
	BTU British Thermal Units	+5,800,000.00
Edit Units	**cal** Calories	+1,461,596,360.22
	CFe	+5,609,28

Opens the Unit Editor

Touch the Category name to display a list with all units categories available. Select the desire category from the list and all the available units in that category will be shown in the Units Equivalent table.

Simply type a value with the calculator keypad, then touch the unit row in the list to assign that value to that unit. The **Units Conversion** tool will calculate all the other units equivalent values automatically.

Optionally, units arithmetics can be performed through **[STO] [+]** or **[STO] [-]** operations (see the example below).

Touching the **[Edit Units]** button, the "**Units Editor**" view will be shown. There, you can fully edit the categories and units listing at your preference.

Example: Units Conversion and Arithmetic

Add 11.36 feet plus 5.75 inches plus 2 meters plus 25 centimeters and minus 0.1 chains, what is the total length expressed in yards?
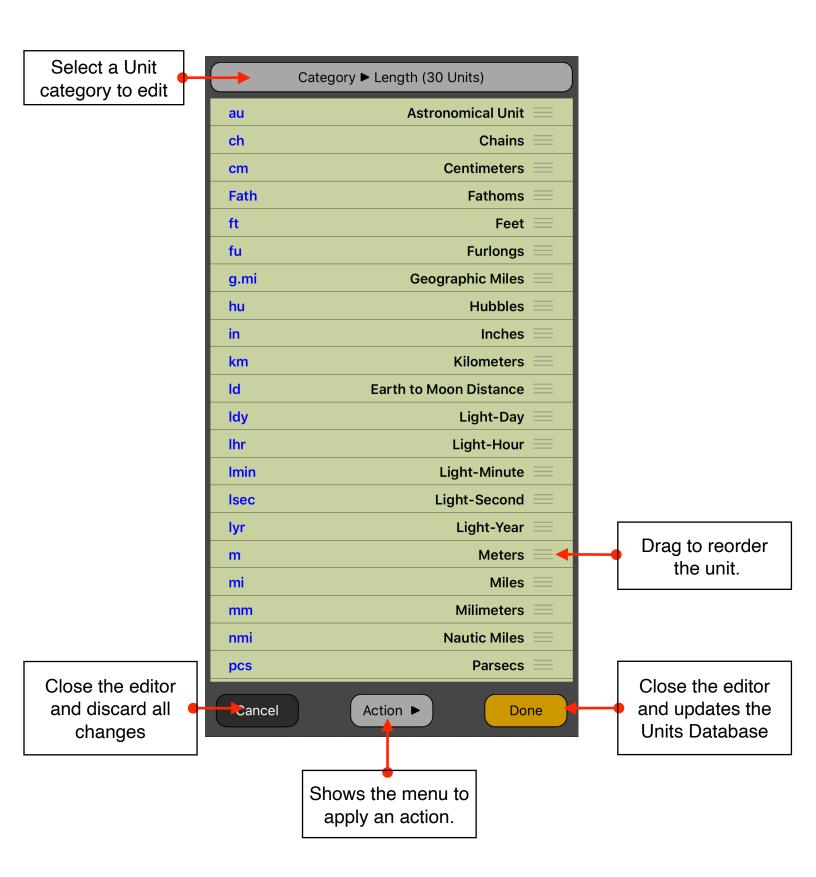
Solution:

With the "Unit Conversion" menu in place, select the "**Length**" category. Then follow the next sequence:

Keystrokes	Description
Type "11.36" touch the "**ft**" unit	Enters 11.36 feet.
Type "5.75" **[STO][+]** & touch the "**in**" unit	Adds 5.75 inches to the conversion.
Type "2" **[STO][+]** & touch the "**m**" unit	Adds 2 meters to the conversion.
Type "25" **[STO][+]** & touch the "**cm**" unit	Adds 25 centimeters to the conversion.
Type "0.1" **[STO][-]** & touch the "**ch**" unit	Subtract 0.1 chains from the conversion.
Touch the "**yd**" unit	Recalls and display the total conversion value in yards. **Result = 4.21 (yds)**

Units Editor View

This view adds a convenient editor to customize the "**Unit Conversion**" menu units. To show it, touch the "**Edit Units**" button in the "**Units Conversion**" menu.

Select a Unit category to edit

	Category ▶ Length (30 Units)	
au	Astronomical Unit	≡
ch	Chains	≡
cm	Centimeters	≡
Fath	Fathoms	≡
ft	Feet	≡
fu	Furlongs	≡
g.mi	Geographic Miles	≡
hu	Hubbles	≡
in	Inches	≡
km	Kilometers	≡
ld	Earth to Moon Distance	≡
ldy	Light-Day	≡
lhr	Light-Hour	≡
lmin	Light-Minute	≡
lsec	Light-Second	≡
lyr	Light-Year	≡
m	Meters	≡
mi	Miles	≡
mm	Milimeters	≡
nmi	Nautic Miles	≡
pcs	Parsecs	≡

Drag to reorder the unit.

Cancel — Action ▶ — Done

Close the editor and discard all changes

Shows the menu to apply an action.

Close the editor and updates the Units Database

[Action ▶] menu:

Add Unit	Creates a new unit in the current Category at the end of the list and shows the Unit Input view.
Edit Unit	Shows the unit editor view.
Delete Unit	Remove the selected unit.
New Category	Ask for the new category name and creates it.
Rename Category	Ask for a new name for the current Category.
Delete Category	Removes the current category from the unit database.
Reset Category	Reset the current category to the factory default. All reordering, deletion, addition or edition previously done will be lost.
Reset All Units	Resets all units and categories to factory default. All custom edition will be lost.

Units Edition View

Symbol   Fath ⊗

Fathoms

S.I. = Kn•(Unit – Co) / Kd + Cn / Cd

Kn : 1.82880365760732

Kd : 1

Cn : 0

Cd : 1

Co : 0

Cancel   Save