## **Units Conversion Worksheet**

This worksheet adds a powerful and completely customizable physical units conversion calculations.

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su.in	151.45	
Survey Leagues		
su.lg	7.97E-04	
Survey Yards		
su.yd	4.21	
	Siriusweit	
swt	2.49E-17	
	Yards	
yd	4.21	
Category ► Length	Units Editor	

All units are defined in terms of its S.I. (meter-kilogram-second) equivalence using the following formula:

In this way, all the units conversions are defined with the values of "Cn", "Cd", "Kn", "Kd" and "Co" constants.

Touch the Select Category button to display a list with 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 in the calculator and touch the unit row in the list to assign that value to that unit. The **Units** menu will calculate all the other units equivalent values automatically.

Optionally, units arithmetics can be performed using [+] or [-] buttons in the worksheet (see the example below).

Touching the [Units Editor] 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:

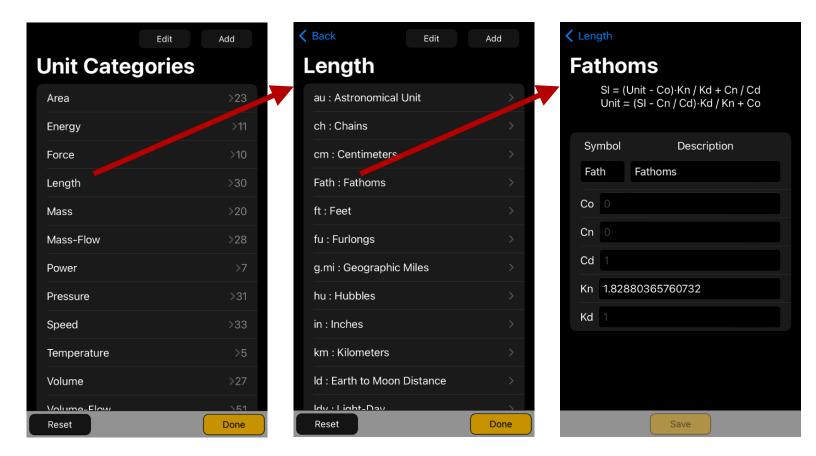
With the "Unit Conversion" menu in place, select the "Length" category. Then follow the next sequence:

Keystrokes	Description
11.36 touch the "ft" unit	Enters 11.36 feet.
5.75 [ + ] touch the "in" unit	Adds 5.75 inches to the conversion.
2 [ + ] touch the "m" unit	Adds 2 meters to the conversion.
25 [+] touch the "cm" unit	Adds 25 centimeters to the conversion.
0.1 [ - ] 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**

This view adds a convenient editor to customize the "Units" database used by the "Unit Conversion" tool. To show it, touch the [Units Editor] button in the "Units" conversion tool or, select the "Units Conversion" in the "Editors" submenu from the "Utilities" options menu.

Touch a category name to navigate to its units. Touch a unit to navigate to its definition.



Touch **Add** to insert a new category or a new unit within the selected category. Touch **Edit** to delete a category or a unit.

Touch the [ Reset ] button to reset any change and recover the original factory database.