

# STEP BY STEP UNIT CONVERTER - FUNCTIONALITY

for the TiNspire CX CAS and CX – [www.TiNspireApps.com](http://www.TiNspireApps.com)

## Physics Units

Length  
Area  
Volume  
Volume (liquid)  
Time  
Speed  
Pressure  
Energy/Work  
Weight/Mass  
Force  
Power  
Impulse  
Momentum  
Mass Moment of Inertia  
Density  
SI Prefixes: kilo, mega, etc

## Math

Base 10  
Any Base - Converter  
Prime Checker  
Prime Factorisation  
Gas Consumption  
Currency Converter  
Tip Calculator

## Trig

3D Conversion: rect/sph/circ  
Polar Coordinates -> (x,y)  
Degree <-> Radian <-> Gradient  
Degree to Degree/Minutes/Seconds  
Revolution to Degree/Radian

## Chemistry

Temperature: F  
pH Level Solver  
Mass, Moles, Weight  
Atoms to Moles Conversion  
Density & Molar Mass  
Moles & Representative Particles

## Engineering

Pressure  $P_{\text{gauge}} = P_{\text{s}} - P_{\text{atm}}$   
Pressure  $P_{\text{vac}} = P_{\text{atm}} - P_{\text{abs}}$

