

The *Lotus Live* Guide to **Units**

(Updated January 2, 2008)

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Introduction

- Because we believe every person, regardless of formal education level should be able to learn about and contribute to the solutions that will make a better world, this guide is your source for education about all of the various units and notations you will need to fully understand the content on Lotus Live.
- As Lotus Live's knowledge base increases, and as new resources are created, this guide will be updated. The most recent version of this guide can be found [here](#).

The Metric System

Système International d'Unités

- For now check out the Visionlearning module on [The Metric System](#).

Significant Figures

Coming Soon

Unit Conversion

Conversion Utilities

- In [Google Search](#), you can enter “ # A in B ” to have it convert a given number of units A into unit B. For example: “3.25 lbs in kg” returns this result: “3.25 pounds = 1.4741752 kilograms”
- [iConvert](#) was built for the iPhone, but can be used with any web browser to convert between the common units in many different subject areas - very nice interface.

Order of Magnitude

10^n	Prefix	Symbol	Name	Written Out
10^{24}	yotta-	Y	Septillion	1,000,000,000,000,000,000,000,000
10^{21}	zetta-	Z	Sextillion	1,000,000,000,000,000,000,000,000
10^{18}	exa-	E	Quintillion	1,000,000,000,000,000,000,000,000
10^{15}	peta-	P	Quadrillion	1,000,000,000,000,000,000,000,000
10^{12}	tera-	T	Trillion	1,000,000,000,000,000,000,000,000
10^9	giga-	G	Billion	1,000,000,000
10^6	mega-	M	Million	1,000,000
10^3	kilo-	k	Thousand	1,000
10^2	hecto-	h	Hundred	100
10^1	deca-	da	Ten	10
10^0			One	1
10^{-1}	deci-	d	Tenth	0.1
10^{-2}	centi-	c	Hundreth	0.01
10^{-3}	milli-	m	Thousanth	0.001
10^{-6}	micro-	μ	Millionth	0.000001
10^{-9}	nano-	n	Billionth	0.000000001
10^{-12}	pico-	p	Trillionth	0.000000000001
10^{-15}	femto-	f	Quadrillionth	0.000000000000001
10^{-18}	atto-	a	Quintillionth	0.000000000000000001
10^{-21}	zepto-	z	Sextillionth	0.000000000000000000001
10^{-24}	yocto-	y	Septillionth	0.000000000000000000000001

About this Guide

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References:

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If you have any ideas, suggestions, or corrections you would like to contribute to this guide on Units, please send us an email at [info@lotuslive.org](mailto:info@lotuslive.org).

Feel free to make use of any of the information in this guide for any purpose--we simply ask that you credit us and our predecessors, and link to us.

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