

### METRIC PREFIXES FOR MULTIPLE UNITS

Prefix	Symbol	Value	Power of 10	U.S. Name	Pronunciation
deka	da	10	$10^1$	ten	DECK-uh
hecto	h	100	$10^2$	hundred	HECK-toe
kilo	k	1,000	$10^3$	thousand	KILL-oh
mega	M	1,000,000	$10^6$	million	MEG-uh
giga	G	1,000,000,000	$10^9$	billion	[see note]
tera	T	1,000,000,000,000	$10^{12}$	trillion	TERR-uh (as in terrace)
peta	P	1,000,000,000,000,000	$10^{15}$		PET-uh
exa	E	1,000,000,000,000,000,000	$10^{18}$		EKS-suh
zetta	Z	1,000,000,000,000,000,000,000	$10^{21}$		ZET-uh (as in zest)
yotta	Y	1,000,000,000,000,000,000,000,000	$10^{24}$		YAHT-uh (as in yacht)

NOTE: The prefix, giga is pronounced two ways, depending upon preference. Most dictionaries show it pronounced jiga (as in jig) because the word comes from the Greek *gigas* for giant. However, g in giga also may be pronounced as in giggle.

### METRIC PREFIXES FOR SUBMULTIPLE UNITS

Prefix	Symbol	Value	Power of 10	U.S. Name	Pronunciation
deci	d	0.1	$10^{-1}$	tenth	DESS-ee (as in decimal)
centi	c	0.01	$10^{-2}$	hundredth	SENT-ee (as in sentiment)
milli	m	0.001	$10^{-3}$	thousandth	MILL-ee (as in military)
micro	$\mu$	0.000,001	$10^{-6}$	millionth	MIKE-roh
nano	n	0.000,000,001	$10^{-9}$	billionth	NAN-oh (as in Nancy)
pico	p	0.000,000,000,001	$10^{-12}$	trillionth	PEEK-oh
femto	f	0.000,000,000,000,001	$10^{-15}$		FEM-toe (as in feminine)
atto	a	0.000,000,000,000,000,001	$10^{-18}$		AT-toe ("at" as in cat)
zepto	z	0.000,000,000,000,000,000,001	$10^{-21}$		ZEP-toe (as in zeppelin)
yocto	y	0.000,000,000,000,000,000,000,001	$10^{-24}$		YOCK-toe

Figure 3. SI Metric Unit Prefixes