

Table 4. SI Metric Unit Prefixes

Metric System Prefixes				
Prefix	Symbol	Factor	Ordinary Notation	U.S. Name
yotta	Y	10^{24}	1 000 000 000 000 000 000 000 000	septillion
zetta	Z	10^{21}	1 000 000 000 000 000 000 000 000	sextillion
exa	E	10^{18}	1 000 000 000 000 000 000 000	quintillion
peta	P	10^{15}	1 000 000 000 000 000 000	quadrillion
tera	T	10^{12}	1 000 000 000 000 000	trillion
giga	G	10^9	1 000 000 000	billion
mega	M	10^6	1 000 000	million
kilo	k	10^3	1 000	thousand
hecto	h	10^2	100	hundred
deka	da	10^1	10	ten
		10^0	1	one
deci	d	10^{-1}	0.1	tenth
centi	c	10^{-2}	0.01	hundredth
milli	m	10^{-3}	0.001	thousandth
micro	μ	10^{-6}	0.000 001	millionth
nano	n	10^{-9}	0.000 000 001	billionth
pico	p	10^{-12}	0.000 000 000 001	trillionth
femto	f	10^{-15}	0.000 000 000 000 001	quadrillionth
atto	a	10^{-18}	0.000 000 000 000 000 001	quintillionth
zepto	z	10^{-21}	0.000 000 000 000 000 000 001	sextillionth
yocto	y	10^{-24}	0.000 000 000 000 000 000 000 001	septillionth

Etymologies		
Prefix	Pronunciation	Origin
yotta	YOTE-uh or YOTT-uh	Latin: "eight" $[(10^3)^8]$
zetta	ZETT-uh	Latin: "seven" $[(10^3)^7]$
exa	EX-uh	Greek: "six" $[(10^3)^6]$
peta	PET-uh	Greek: "five" $[(10^3)^5]$
tera	TAIR-uh	Greek: "monster"
giga	JIG-uh or GIG-uh	Greek: "giant"
mega	MEG-uh	Greek: "big"
kilo	KILL-oh	Greek: "thousand"
hecto	HECK-toe	Greek: "hundred"
deka	DECK-uh	Greek: "ten"
deci	DESS-ih	Latin: "tenth"
centi	SENT-ih	Latin: "hundredth"
milli	MILL-ih	Latin: "thousandth"
micro	MIKE-roe	Greek: "small"
nano	NAN-oh	Greek: "dwarf"
pico	PEEK-oh	Spanish: "tiny bit"
femto	FEM-toe	Dano-Norwegian: "fifteen"
atto	AT-toe	Dano-Norwegian: "eighteen"
zepto	ZEP-toe	Latin: "seven" $[(10^3)^7]$
yocto	YOCK-toe	Latin: "eight" $[(10^3)^8]$

[Developed by David Bernklau, Certified Metrication Specialist]