

A List of Metric Prefixes

Prefix	Symbol	Equivalent base units *	Exponential
yotta-	Y	1,000,000,000,000,000,000,000,000	10^{24}
zetta-	Z	1,000,000,000,000,000,000,000	10^{21}
exa-	E	1,000,000,000,000,000,000	10^{18}
peta-	P	1,000,000,000,000,000	10^{15}
tera-	T	1,000,000,000,000	10^{12}
giga-	G	1,000,000,000	10^9
kilo-	k	1,000	10^3
hecto-	h	100	10^2
deca-	da	10	10^1
no prefix		1	10^0
deci-	d	0.1	10^{-1}
centi-	c	0.01	10^{-2}
milli-	m	0.001	10^{-3}
micro-	μ	0.000001	10^{-6}
nano-	n	0.000000001	10^{-9}
pico-	p	0.000000000001	10^{-12}
femto-	f	0.000000000000001	10^{-15}
atto-	d	0.000000000000000001	10^{-18}
zepto-	z	0.000000000000000000001	10^{-21}
yocto-	z	0.000000000000000000000001	10^{-24}

* for example: one petameter (Pm) = 1,000,000,000,000,000 meters (or 10^{15} m); one nanoliter (nL) = 0.000000001 liters (or 10^{-9} L); one kilogram (kg) = 1,000 grams (or 10^3 g), etc