

## Metric prefixes

Prefix	Symbol	$1000^m$	$10^n$	Decimal	US English word <sup>[n 1]</sup>	Since <sup>[n 2]</sup>
yotta	Y	$1000^8$	$10^{24}$	1 000 000 000 000 000 000 000 000	septillion	1991
zetta	Z	$1000^7$	$10^{21}$	1 000 000 000 000 000 000 000	sextillion	1991
exa	E	$1000^6$	$10^{18}$	1 000 000 000 000 000 000	quintillion	1975
peta	P	$1000^5$	$10^{15}$	1 000 000 000 000 000	quadrillion	1975
tera	T	$1000^4$	$10^{12}$	1 000 000 000 000	trillion	1960
giga	G	$1000^3$	$10^9$	1 000 000 000	billion	1960
mega	M	$1000^2$	$10^6$	1 000 000	million	1960
kilo	k	$1000^1$	$10^3$	1 000	thousand	1795
hecto	h	$1000^{2/3}$	$10^2$	100	hundred	1795
deca	da	$1000^{1/3}$	$10^1$	10	ten	1795
		$1000^0$	$10^0$	1	one	–
deci	d	$1000^{-1/3}$	$10^{-1}$	0.1	tenth	1795
centi	c	$1000^{-2/3}$	$10^{-2}$	0.01	hundredth	1795
milli	m	$1000^{-1}$	$10^{-3}$	0.001	thousandth	1795
micro	μ	$1000^{-2}$	$10^{-6}$	0.000 001	millionth	1960
nano	n	$1000^{-3}$	$10^{-9}$	0.000 000 001	billionth	1960
pico	p	$1000^{-4}$	$10^{-12}$	0.000 000 000 001	trillionth	1960
femto	f	$1000^{-5}$	$10^{-15}$	0.000 000 000 000 001	quadrillionth	1964
atto	a	$1000^{-6}$	$10^{-18}$	0.000 000 000 000 000 001	quintillionth	1964
zepto	z	$1000^{-7}$	$10^{-21}$	0.000 000 000 000 000 000 001	sextillionth	1991
yocto	y	$1000^{-8}$	$10^{-24}$	0.000 000 000 000 000 000 000 001	septillionth	1991

1. ^ This table uses the short scale.

2. ^ The metric system was introduced in 1795 with six prefixes. The other dates relate to recognition by a resolution of the CGPM.