

SI Prefixes Multipliers & Names

The International System of Units (*Système International d'Unités*), SI, provides a basis for a standard methodology for communicating numbers and their multipliers. Having an international system enables quantities to be described more exactly and with less chance of misunderstanding and misinterpretation.

Prefix	Symbol	Multiplier	Exponent	Name
ronna	R	1,000,000,000,000,000,000,000,000,000	10^{27}	Octillion
yotta	Y	1,000,000,000,000,000,000,000,000	10^{24}	Septillion
zetta	Z	1,000,000,000,000,000,000,000,000	10^{21}	Sextillion
exa	E	1,000,000,000,000,000,000,000	10^{18}	Quintillion
peta	P	1,000,000,000,000,000,000	10^{15}	Quadrillion
tera	T	1,000,000,000,000	10^{12}	Trillion
giga	G	1,000,000,000	10^9	Billion
mega	M	1,000,000	10^6	Million
kilo	k	1,000	10^3	Thousand
hecto	h	100	10^2	Hundred
deca	da	10	10^1	Ten
-	-	1	10^0	One
deci	d	0.1	10^{-1}	Tenth
centi	c	0.01	10^{-2}	Hundredth
milli	m	0.001	10^{-3}	Thousandth
micro	μ	0.000001	10^{-6}	Millionth
nano	n	0.000000001	10^{-9}	Billionth
pico	p	0.000000000001	10^{-12}	Trillionth
femto	f	0.0000000000000001	10^{-15}	Quadrillionth
atto	a	0.0000000000000000001	10^{-18}	Quintillionth
zepto	z	0.0000000000000000000001	10^{-21}	Sextillionth
yocto	y	0.0000000000000000000000001	10^{-24}	Septillionth
ronto	r	0.0000000000000000000000000001	10^{-27}	Octillionth