

Metric System Prefixes		
Prefix	Symbol	Meaning
yotta-	Y	1,000,000,000,000,000,000,000,000 or $10^{24}$ times larger than the unit it precedes.
zeta-	Z	1,000,000,000,000,000,000,000 or $10^{21}$ times larger than the unit it precedes.
exa-	E	1,000,000,000,000,000,000 or $10^{18}$ times larger than the unit it precedes.
peta-	P	1,000,000,000,000,000 or $10^{15}$ times larger than the unit it precedes.
tera-	T	1,000,000,000,000 or $10^{12}$ times larger than the unit it precedes.
giga-	G	1,000,000,000 or $10^9$ times larger than the unit it precedes.
<b>mega-</b>	M	1,000,000 or $10^6$ times larger than the unit it precedes.
<b>kilo-</b>	k	1000 or $10^3$ times larger than the unit it precedes.
deci-	d	10 times smaller $\left(\frac{1}{10} = 10^{-1}\right)$ than the unit it precedes.
<b>centi-</b>	c	100 times smaller $\left(\frac{1}{100} = 10^{-2}\right)$ than the unit it precedes.
<b>milli-</b>	m	1000 times smaller $\left(\frac{1}{1000} = 10^{-3}\right)$ than the unit it precedes.
<b>micro-</b>	$\mu$ or mc	1,000,000 times smaller $\left(\frac{1}{1,000,000} = 10^{-6}\right)$ than the unit it precedes.
nano-	n	1,000,000,000 times smaller $\left(\frac{1}{1,000,000,000} = 10^{-9}\right)$ than the unit it precedes.
pico-	p	1,000,000,000,000 times smaller $\left(\frac{1}{1,000,000,000,000} = 10^{-12}\right)$ than the unit it precedes.
femto-	f	1,000,000,000,000,000 times smaller $\left(\frac{1}{1,000,000,000,000,000} = 10^{-15}\right)$ than the unit it precedes.
atto-	a	1,000,000,000,000,000,000 times smaller $\left(\frac{1}{1,000,000,000,000,000,000} = 10^{-18}\right)$ than the unit it precedes.
zepto-	z	1,000,000,000,000,000,000,000 times smaller $\left(\frac{1}{1,000,000,000,000,000,000,000} = 10^{-21}\right)$ than the unit it precedes.
yocto-	y	1,000,000,000,000,000,000,000,000 times smaller $\left(\frac{1}{1,000,000,000,000,000,000,000,000} = 10^{-24}\right)$ than the unit it precedes.

Memorize prefixes in bold.

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