

## Metric System

<u>Prefix</u>	<u>Symbol</u>	<u>Power</u>	<u>Example</u> ( <sup>***</sup> meter)	<u>Long Notation</u> (meter)	<u>Scientific Notation</u> (meter)
tera	T	$10^{12}$	1 Tm =	1 000 000 000 000 m	$1 \times 10^{12}$ m
giga	G	$10^9$	1 Gm =	1 000 000 000 m	$1 \times 10^9$ m
mega	M	$10^6$	1 Mm =	1 000 000 m	$1 \times 10^6$ m
kilo	k	$10^3$	1 km =	1 000 m	$1 \times 10^3$ m
hecto	h	$10^2$	1 hm =	100 m	$1 \times 10^2$ m
deca	da	$10^1$	1 dam =	10 m	$1 \times 10^1$ m
		$10^0$	1 m =	1 m	$1 \times 10^0$ m
deci	d	$10^{-1}$	1 dm =	0.1 m	$1 \times 10^{-1}$ m
centi	c	$10^{-2}$	1 cm =	0.01 m	$1 \times 10^{-2}$ m
milli	m	$10^{-3}$	1 mm =	0.001 m	$1 \times 10^{-3}$ m
micro	$\mu$	$10^{-6}$	1 $\mu$ m =	0.000 001 m	$1 \times 10^{-6}$ m
nano	n	$10^{-9}$	1 nm =	0.000 000 001 m	$1 \times 10^{-9}$ m
pico	p	$10^{-12}$	1 pm =	0.000 000 000 001 m	$1 \times 10^{-12}$ m
femto	f	$10^{-15}$	1 fm =	0.000 000 000 000 001 m	$1 \times 10^{-15}$ m
atto	a	$10^{-18}$	1 am =	0.000 000 000 000 000 001 m	$1 \times 10^{-18}$ m