

# Engineering Notation

<b>SI Prefix</b>				
<b>Prefix</b>		<b>Representations</b>		
<b>Name</b>	<b>Symbol</b>	<b>Base 1000</b>	<b>Base 10</b>	<b>Value</b>
yotta	Y	1000 <sup>8</sup>	10 <sup>24</sup>	1000000000000000000000000
zetta	Z	1000 <sup>7</sup>	10 <sup>21</sup>	100000000000000000000000
exa	E	1000 <sup>6</sup>	10 <sup>18</sup>	10000000000000000000000
peta	P	1000 <sup>5</sup>	10 <sup>15</sup>	1000000000000000000000
tera	T	1000 <sup>4</sup>	10 <sup>12</sup>	100000000000000000000
giga	G	1000 <sup>3</sup>	10 <sup>9</sup>	10000000000000000000
mega	M	1000 <sup>2</sup>	10 <sup>6</sup>	1000000000000000000
kilo	k	1000 <sup>1</sup>	10 <sup>3</sup>	1000
		1000 <sup>0</sup>	10 <sup>0</sup>	1
milli	m	1000 <sup>-1</sup>	10 <sup>-3</sup>	0.001
micro	μ	1000 <sup>-2</sup>	10 <sup>-6</sup>	0.000001
nano	n	1000 <sup>-3</sup>	10 <sup>-9</sup>	0.000000001
pico	p	1000 <sup>-4</sup>	10 <sup>-12</sup>	0.000000000001
femto	f	1000 <sup>-5</sup>	10 <sup>-15</sup>	0.000000000000001
atto	a	1000 <sup>-6</sup>	10 <sup>-18</sup>	0.000000000000000001
zepto	z	1000 <sup>-7</sup>	10 <sup>-21</sup>	0.000000000000000000001
yocto	y	1000 <sup>-8</sup>	10 <sup>-24</sup>	0.000000000000000000000001

<b>Additional SI Prefixes</b>				
<b>Prefix</b>		<b>Representations</b>		
<b>Name</b>	<b>Symbol</b>	<b>Base 1000</b>	<b>Base 10</b>	<b>Value</b>
hecto	h	NA	10 <sup>2</sup>	100
deka or deca	da	NA	10 <sup>1</sup>	10
deci	d	NA	10 <sup>-1</sup>	0.1
centi	c	NA	10 <sup>-2</sup>	0.01