

Scientific and Engineering Notation

METRIC PREFIXES & POWERS OF TEN

Prefix	Symbol	Power of ten	Value
Tera	T	10^{12}	1,000,000,000,000
Giga	G	10^9	1,000,000,000
Mega	M	10^6	1,000,000
Kilo	K	10^3	1,000
milli	m	10^{-3}	0.001
micro	μ	10^{-6}	0.000001
nano	n	10^{-9}	0.000000001
pico	p	10^{-12}	0.000000000001

SAMPLE CONVERSION

Number	Notation	
	Scientific	Engineering
1,630,000,000,000	1.63×10^{12}	1.63T
1,590,000,000	1.59×10^9	1.59G
1,430,000	1.43×10^6	1.43M
1,170	1.17×10^3	1.17K
1	1×10^0	1
0.00125	1.25×10^3	1.25T
0.00000164	1.64×10^6	.64 μ
0.00000000198	1.98×10^9	1.98N
0.000000000000124	1.24×10^{12}	1.24P