SI (System International) Prefixes: The Metric System

Mass:

Prefix	Abbr.	Equality
Tera	T	1 Tg = 1 x 10^{12} g
Giga	G	1 Gg = 1 x 10^{9} g
Mega	M	1 Mg = 1 x 10^{6} g
Kilo	k	1 kg = 1,000 g
Hecto	h	1 Hg = 100g
Deka	da	1 dag = 10 g
		1 gram (g)
Deci	d	10 dg = 1 g
Centi	c	100 cg = 1 g
Milli	m	1000 mg = 1 g
Micro	μ	1 x 10^{6} μg = 1 g
Nano	n	1 x 10^{9} ng = 1 g
Pico	p	1 x 10^{12} pg = 1 g
Femto	f	1 x 10^{15} fg = 1 g
Atto	a	1 x 10^{18} ag = 1 g

Length:

Prefix	Abbr.	Equality
Tera	T	1 Tm = 1 x 10^{12} m
Giga	G	1 Gm = 1 x 10^{9} m
Mega	M	1 Mm = 1 x 10^{6} m
Kilo	k	1 km = 1,000 m
Hecto	h	1 Hm = 100 m
Deka	da	1 dam = 10 m
		1 meter (m)
Deci	d	10 dm = 1 m
Centi	c	100 cm = 1 m
Milli	m	1000 mm = 1 m
Micro	μ	1 x 10^{6} μm = 1 m
Nano	n	1 x 10^{9} nm = 1 m
Pico	p	1 x 10^{12} pm = 1 m
Femto	f	1 x 10^{15} fm = 1 m
Atto	a	1 x 10^{18} am = 1 m

Volume:

Prefix	Abbr.	Equality
Tera	T	1 TL = 1 x 10^{12} L
Giga	G	1 GL = 1 x 10^{9} L
Mega	M	1 ML = 1 x 10^{6} L
Kilo	k	1 kL = 1,000 L
Hecto	h	1 HL = 100 L
Deka	da	1 daL = 10 L
		1 Liter (L)
Deci	d	10 dL = 1 L
Centi	c	100 cL = 1 L
Milli	m	1000 mL = 1 L
Micro	μ	1 x 10^{6} μL = 1 L
Nano	n	1 x 10^{9} nL = 1 L
Pico	p	1 x 10^{12} pL = 1 L
Femto	f	1 x 10^{15} fL = 1 L
Atto	a	1 x 10^{18} aL = 1 L

Data:

Prefix	Abbr.	Equality
Tera	T	1 TB = 1 x 10^{12} B
Giga	G	1 GB = 1 x 10^{9} B
Mega	M	1 MB = 1 x 10^{6} B
Kilo	k	1 kB = 1,000 B
Hecto	h	1 HB = 100 B
Deka	da	1 dam = 10 B
		1 byte (B)
Deci	d	10 dB = 1 B
Centi	c	100 cB = 1 B
Milli	m	1000 mB = 1 B
Micro	μ	1 x 10^{6} μB = 1 B
Nano	n	1 x 10^{9} nB = 1 B
Pico	p	1 x 10^{12} pB = 1 B
Femto	f	1 x 10^{15} fB = 1 B
Atto	a	1 x 10^{18} aB = 1 B