

Mass

pound	kilogram (kg)	0.4536
ounce	kilogram (kg)	2.835×10^{-2}

Energy

calorie	joule (J)	4.187
erg	joule (J)	1.00×10^{-7}
MeV	joule (J)	1.602×10^{-13}
ton (TNT equivalent)	joule (J)	4.2×10^9

Miscellaneous

density (lb/ft ³)	kg/m ³	1.602×10
pressure (psi)	pascal (Pa)	6.895×10^3
radiant exposure (cal/cm ²)	J/m ²	4.187×10^4
speed (ft/sec)	m/s	0.3048
speed (miles/hour)	m/s	0.4470
dose (rads)	gray (Gy)	1.00×10^{-2}
dose rate (rads/hour)	Gy/s	2.778×10^{-6}
curie	becquerel (Bq)	3.700×10^{10}

The only multiples or submultiples of SI to which appropriate prefixes may be applied are those represented by factors of 10^n or 10^{-n} where n is divisible by 3. Thus, kilometer (10^3m or 1 km), millimeter (10^{-3}m or 1 mm), and micrometer (10^{-6}m or 1 μm). The centimeter and gram are not used in the SI system, but they are included in the metric system proposed for adoption in the United States.