

Units smaller than the base-lots of these units in a base  
 $1 \times 10^9$   
 (1,000,000,000)

Units bigger than the base-lots base in  
 these units

$1 \times 10^6$   
 (1,000,000)

$1 \times 10^6$   
 (1,000,000)

1000

1000

100

nano (n)  
 $1 \times 10^9$  ng = 1 g  
 $1 \times 10^9$  nL = 1 L  
 $1 \times 10^9$  nm = 1 m

micro ( $\mu$ )  
 $1 \times 10^6$   $\mu$ g = 1 g  
 $1 \times 10^6$   $\mu$ L = 1 L  
 $1 \times 10^6$   $\mu$ m = 1 m

milli (m)  
 1000 mg = 1 g  
 1000 mL = 1 L  
 1000 mm = 1 m

centi (c)  
 100 cg = 1 g  
 100 cL = 1 L  
 100 cm = 1 m

Base  
 Mass=grams (g)  
 Volume=liters (L)  
 Length=meters (m)

kilo (k)  
 1000 g = 1 kg  
 1000 L = 1 kL  
 1000 m = 1 km

Mega (M)  
 $1 \times 10^6$  g = 1 Mg  
 $1 \times 10^6$  L = 1 ML  
 $1 \times 10^6$  m = 1 Mm

