

1. Supply the missing half of each of the conversion ratios (the first one is done for you):

$$\frac{\mathbf{m}}{\mathbf{10}^{-3}} \quad \frac{\quad}{\mathbf{10}^3} \quad \frac{\quad}{\mathbf{10}^{-9}} \quad \frac{\mathbf{c}}{\quad} \quad \frac{\mathbf{10}^{-6}}{\quad} \quad \frac{\mathbf{10}^6}{\quad}$$

2. Use the above ratios to perform the following conversions:

a. 5 mL to L:  $\frac{5 \text{ mL} \quad | \quad \mathbf{10}^{-3}}{\quad | \quad \mathbf{mL}} = 5 \times 10^{-3} \text{ L}$

b. 636 L to mL: \_\_\_\_\_ = mL

c. 55 feet to milli feet: \_\_\_\_\_ = milli feet

d. 235 mL to  $\mu\text{L}$ : \_\_\_\_\_ =  $\mu\text{L}$

e. 485 nm to mm:

f. 505 km to mm:

g. 27 inches to milli inches:

h. 485 g to mg:

i. 45 kg to mg:

j. 333 mg to kg: