Exercise 57

Write conversion factors (as ratios) for the number of:

(a) yards in 1 meter

(b) liters in 1 liquid quart

(c) pounds in 1 kilogram

Solution

The conversion factors are listed in Table 1.6 on page 45.

$$\text{(a)} \quad \frac{1.0936 \text{ yards}}{1 \text{ m}}$$

$$\text{(b)} \quad \frac{0.94635 \text{ L}}{1 \text{ qt}}$$

$$\text{(c)} \quad \frac{2.2046 \text{ lb}}{1 \text{ kg}}$$