

Metric Prefixes

$$\text{kilo (k); 1000 times} \longrightarrow 2 \text{ kilograms} = 2 \text{ kg} = 2000 \text{ g} = 2 \times 10^3 \text{ g}$$

$$\text{deci (d); one tenth of} \longrightarrow 3 \text{ decimeters} = 3 \text{ dm} = \frac{3}{10} \text{ m} = 0.3 \text{ m} = 3 \times 10^{-1} \text{ m}$$

$$\text{centi (c); one hundredth of} \longrightarrow 3 \text{ centimeters} = 3 \text{ cm} = \frac{3}{100} \text{ m} = 0.03 \text{ m} = 3 \times 10^{-2} \text{ m}$$

$$\text{milli (m); one thousandth of} \longrightarrow 3 \text{ millimeters} = 3 \text{ mm} = \frac{3}{1000} \text{ m} = 0.003 \text{ m} = 3 \times 10^{-3} \text{ m}$$

$$\text{micro (}\mu\text{); one millionth of} \longrightarrow 5 \text{ microliters} = 5 \text{ }\mu\text{l} = \frac{5}{1,000,000} \text{ l} = 0.000005 \text{ l} = 5 \times 10^{-6} \text{ l}$$

$$\text{nano (n); one billionth of} \longrightarrow 7 \text{ nanoliters} = 7 \text{ nl} = \frac{7}{1,000,000,000} \text{ l} = 0.000000007 \text{ l} = 7 \times 10^{-9} \text{ l}$$