

$$1 \text{ cm}^3 = 1 \text{ mL} = 1 \text{ g of H}_2\text{O}$$

$$1 \text{ m}^3 = 1 \text{ kL} = 1000 \text{ kg of H}_2\text{O}$$

$$F = \frac{9}{5} C + 32$$

$$C = \frac{5}{9} (F - 32)$$

TABLE 8.7 Conversions Table

**Length**

1 inch (in.) = 2.54 centimeters (cm)

1 foot (ft) = 30 centimeters (cm)

1 yard (yd) = 0.9 meter (m)

1 mile (mi) = 1.6 kilometers (km)

**Area**1 square inch (in.<sup>2</sup>) = 6.5 square centimeters (cm<sup>2</sup>)1 square foot (ft<sup>2</sup>) = 0.09 square meter (m<sup>2</sup>)1 square yard (yd<sup>2</sup>) = 0.8 square meter (m<sup>2</sup>)1 square mile (mi<sup>2</sup>) = 2.6 square kilometers (km<sup>2</sup>)

1 acre = 0.4 hectare (ha)

**Volume**

1 teaspoon (tsp) = 5 milliliters (mℓ)

1 tablespoon (tbsp) = 15 milliliters (mℓ)

1 fluid ounce (fl oz) = 30 milliliters (mℓ)

1 cup (c) = 0.24 liter (ℓ)

1 pint (pt) = 0.47 liter (ℓ)

1 quart (qt) = 0.95 liter (ℓ)

1 gallon (gal) = 3.8 liters (ℓ)

1 cubic foot (ft<sup>3</sup>) = 0.03 cubic meter (m<sup>3</sup>)1 cubic yard (yd<sup>3</sup>) = 0.76 cubic meter (m<sup>3</sup>)**Weight (Mass)**

1 ounce (oz) = 28 grams (g)

1 pound (lb) = 0.45 kilogram (kg)

1 ton (T) = 0.9 tonne (t)