



Calculation Formulas

Amount Conversions

Ounces to Pounds

$$\text{Ounces} \div 16 = \text{Pounds}$$

Fluid Ounces to Gallons

$$\text{Fluid Ounces} \div 128 = \text{Gallons}$$

Distance Conversions

Yards to Feet

$$\text{Yards} \times 3 = \text{Feet}$$

Meters to Feet

$$\text{Meters} \times 3.28 = \text{Feet}$$

Surface Areas (Radius = Diameter \div 2)

Rectangle / Square

$$\text{Length} \times \text{Width} = \text{Square Feet}$$

Circle

$$3.14 \times \text{Radius} \times \text{Radius} = \text{Sq. Feet}$$

Pool Volume (Average Depth = Shallow + Deep \div 2)

Rectangle

$$\text{Length} \times \text{Width} \times \text{Average Depth} \times 7.5 = \text{Gal.}$$

Circle

$$3.14 \times \text{Radius} \times \text{Radius} \times \text{Avg. Depth} \times 7.5 = \text{Gal.}$$

Turnover Rate

$$\text{Pool Volume} \div \text{Flow Rate} \div 60 = \text{Hours}$$

Flow Rate

$$\text{Pool Volume} \div \text{Turnover Rate} \div 60 = \text{Gallons/Minute (gpm)}$$

Filter Surface Area

$$\text{Flow Rate} \div \text{Filtering Rate} = \text{Square Feet}$$

Heater Sizing

$$\text{Pool Volume} \times 8.33 \times \text{Temperature Adjustment} = \text{BTU}$$