

Customary and Metric Units (Conversions)

	Customary	Metric	Customary \rightarrow Metric
Length	1 ft = 12 in	1 km = 1,000 m	1 in \approx 2.54 cm
	1 yd = 3 ft	1 m = 100 cm	1 ft \approx .30 m
	1 mi = 5,280 ft	1 cm = 10 mm	1 yd \approx .91 m
Capacity	1 c = 8 fl oz	1 kL = 1,000 L	1 mi \approx 1.61 km
	1 pt = 2 c	1 L = 100 cL	1 c \approx 236.59 mL
	1 qt = 2 pt	1 cL = 10 mL	1 pt \approx 473.18 mL
	1 gal = 4 qt		1 qt \approx 946.35 mL
Weight	1 lb = 16 oz	1 kg = 1,000 g	1 gal \approx 3.79 L
	1 T = 2,000 lb	1 g = 100 cg	1 lb \approx 453.6 g
		1 cg = 10 mg	1 lb \approx .4536 kg
			1 T \approx 907.2 kg

1) 15 ft = ? in 2) 10 c = ? gal

$$\frac{15 \cancel{\text{ft}}}{1} \cdot \frac{12 \text{ in}}{1 \cancel{\text{ft}}} = \boxed{180 \text{ in}}$$

$$\frac{10 \cancel{\text{c}}}{1} \cdot \frac{1 \cancel{\text{pt}}}{2 \cancel{\text{c}}} \cdot \frac{1 \cancel{\text{qt}}}{2 \cancel{\text{pt}}} \cdot \frac{1 \text{ gal}}{4 \cancel{\text{qt}}} = \boxed{\frac{5}{8} \text{ gal}}$$

3) 8.3 kg = ? lb

$$\frac{8.3 \cancel{\text{kg}}}{1} \cdot \frac{1 \text{ lb}}{.4536 \cancel{\text{kg}}} \approx \frac{8.3}{.4536} \text{ lb} \approx \boxed{18.30 \text{ lb}}$$

(Round-Hundredths)