

Ch1/Worksheet – 3 Unit Conversions**Name:**

Show all your work in the following calculations and calculate to the correct number of significant figures and write the units.

1) Carry out the following conversions:

a) How many cm in 18.9 inches? (1 in = 2.54 cm)

b) How many micrograms in 6.8×10^{-7} ounces? (1 oz = 28.35 g)

c) How many mL are in 0.037 quarts? (1 qt = 0.946 L)

d) How many grams are in 0.397 pounds (lbs)? (1 kg = 2.21 lb)

e) 22.6 m to miles

f) convert 4.5 m into ft (1ft = 30 cm)

g) 10.6 cm^3 to m^3

2) How much will milk in Canada cost (in Canadian \$/L) if it costs \$3.57/gallon in Palm Beach (1 US dollar = 1.01 Canadian dollar and 1 gallon = 3.78 L)