

May 3 Ch 4

Notes Converting Mass

1 pound = 16 ounces

1 ton = 2000 pounds
(Imperial)

1 kg = 2.2 pounds

1 ounce = 28.35 grams

1 kg = 1000 grams

1 tonne = 1000 kg
(metric)

Convert 82 ounces into pounds

82 ounces

$$82 \text{ oz} \times \frac{1 \text{ lb}}{16 \text{ oz}} \quad (\text{LB})$$

5.125 lbs

Convert 82 ounces into pounds + ounces.

$$82 \text{ oz} \times \frac{1 \text{ lb}}{16 \text{ oz}} \quad 5.125 \text{ lbs}$$

option 1

$$5 \times 16 = 80$$

$$82 - 80 = 2$$

5 lbs 2 oz

option 2

$$5 \text{ lbs} + .125 \text{ of a pound}$$

(16 oz)

$$.125 \times 16 = 2$$

5 lbs 2 oz

Convert 324 tonnes into pounds
convert to kg first!

$$324 \text{ tonnes} \times \frac{1000 \text{ kg}}{1 \text{ t}} \times \frac{2.2 \text{ lbs}}{1 \text{ kg}}$$

712800 lbs