Dimensional Analysis Worksheet 1

Conversion Factors

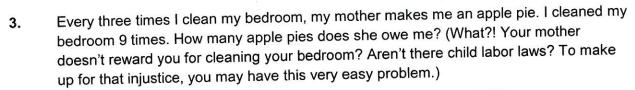
$$1 \text{ kg} = 1000 \text{ g}$$

- 2.2 lbs of weight = 1 kg of mass
- 1. Convert 5.70 kilograms to milligrams. Show your work!

2. a) You find 13,406,190 American pennies. How many Canadian dollars did you actually find?

b) If each penny weighs 4 grams, how much did all that loot weigh in lbs.?

c) Assume a movie ticket costs \$9, how many movie tickets could you buy with the pennies you found?



9 cleaninge × 1 APie = 3 APiec

4. In my chemistry class, 28 students are each given 3 pens. If there are 8 pens in one package, priced at \$1.88 per package, what is the total cost of giving away pens?

1 pkg × 1 pkg × 3 pene × 28 students = \$19.74

You're throwing a pizza party for 15 people and figure that each person will eat 4 slices. You call up the pizza place and learn that each pizza will cost you \$14.78 and it will be cut into 12 slices. How much is the pizza going to cost you?

14.78 / 1 pigge x 4 place x 15 people = 73.90