**Dimensional Analysis 1**

What do you want?

What do you know?

**Conversion Factors**

* can be written 2 ways

**e.g.** There are 1000 mg in a gram.

A gram contains 1000 mg.

Same diff!!

1 dozen = 12 things

1 six-pack = 6 drinks

1 case (or 2-4 if you’re Canadian) = 24 drinks

7 dozen bagels = ? number of bagels

72 sodas = ? six packs

8 dozen drinks = ? cases

1 kg of mass = 2.2 lbs of weight

1 km = 0.62 mi

1 cup = 250 mL

A recipe that makes 3 dozen cookies called for ½ cup of butter and 2 eggs etc.

How many mL of butter would I need if I tripled the recipe and used 6 eggs?

Ottawa is approx. 200. km from Montreal. How many miles would you drive if you went to Ottawa and back?

What is the mass in grams of a 10 lbs bag of flour?