

Math 0110 – Conversion Sheet

On the following two pages are the math conversions needed for this class.

Note: This sheet is NOT allowed on the final exam(s), you will need to have these conversions memorized.

Metric System

kilogram (kg) – gram (g) – milligram (mg) – microgram (mcg) – liter (L) – milliliter (mL)

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

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

$$1 \text{ mg} = 1000 \text{ mcg}$$

$$1 \text{ g} = 1,000,000 \text{ mcg}$$

$$1 \text{ L} = 1000 \text{ mL}$$

$$1 \text{ g} = .001 \text{ kg}$$

$$1 \text{ mg} = .001 \text{ g}$$

$$1 \text{ mcg} = .001 \text{ mg}$$

$$1 \text{ mcg} = .000001 \text{ g}$$

$$1 \text{ cub centimeter (cc)} = 1 \text{ milliliter (mL)}$$

Household Measures

ounces(oz) – pound(lb) – teaspoon(tsp or t) – drops(gtt) – tablespoon(Tbsp or T) – microdrop(mcggtt)

Weights

$$16 \text{ oz} = 1 \text{ lb}$$

Liquids

$$1 \text{ tsp} = 60 \text{ gtt}$$

$$1 \text{ Tbsp} = 3 \text{ tsp}$$

$$1 \text{ ounces} = 2 \text{ Tbsp}$$

$$1 \text{ glass} = 8 \text{ ounces}$$

$$1 \text{ measuring cup} = 8 \text{ ounces}$$

$$1 \text{ teacup} = 6 \text{ ounces}$$

$$16 \text{ ounces} = 1 \text{ pint}$$

$$2 \text{ cups} = 1 \text{ pint}$$

$$2 \text{ pints} = 1 \text{ quart}$$

$$4 \text{ quarts} = 1 \text{ gallon (gal)}$$

Between Metric and Household

<u>Metric</u>		<u>Household</u>
Liquid		
1 mL	=	15 gtt
1 mL	=	60 mcgtt
5 mL	=	1 tsp
15 mL	=	1 Tbsp
30 mL	=	1 ounce
180 mL	=	1 teacup
240 mL	=	1 glass
Weight		
1 kg	=	2.2 lb
30 g	=	1 oz
454 g	=	1 lb
Length		
2.5 centimeters (cm)	=	1 inch (in)

To change from Fahrenheit to Celsius: Subtract 32 from F° and divide the result by 1.8

To change from Celsius to Fahrenheit: Multiply C° by 1.8 and add 32 to the result.