

EQUIVALENTS OF MEASUREMENT HANDOUT

**Please use the table below to complete the equivalent conversions. Also-you will need to know these measurements by memory as we use them in drug calculations!

Household, Apothecary, and Metric Measurement for Liquids		
Household	Apothecary	Metric
1 teaspoon	60 drops (gtt)	5 milliliters
1 tablespoon	--	15 milliliters
2 tablespoons	1 ounce	30 milliliters
1 cup	8 ounces	240 milliliters
1 pint	16 ounces	480 milliliters
1 quart	32 ounces	960 milliliters

Common Metric Equivalents		
Distance (Meters)	Weight (Grams)	Volume (Liters)
1 meter (m) = 100 centimeters (cm)	1 kilogram (kg) = 1,000 grams (g)	1 liter (L) = 1,000 milliliters (mL)
1 cm = 0.01 m	1 milligram (mg) = 0.001 g	1 mL = 0.001 L
1 millimeter (mm) = 0.001 m	1,000 mg = 1 g	1 mL = 1 cubic centimeter (cc)
2.54 cm = 1 inch	1 microgram (mcg) = 0.001 mg	
	1 kg = 2.2 pounds	

METRIC, APOTHECARY & HOUSEHOLD WORKSHEET

COMPLETE THE FOLLOWING CONVERSIONS:

A. METRIC

- 1000 mcg = 1 mg
- 150 mcg = 0.15 mg

- 0.1 mg = 100 mcg
- 0.5 mg = 500 mcg
- 100 mg = 0.01 gm
- 1500 mg = 1.5 gm
- 1 gm = 1000 mg
- 0.1 gm = 100 mg
- 1000 gm = 1 kg
- 100 gm = 0.01 kg
- 0.5 kg = 500 gm
- 8 kg = 8000 gm
- 500 mL = 0.5 L
- 1.1 L = 500 mL
- 5,000 mL = 1100 L
- 20 lbs = 9.091 kg
- 20 kg = 44 lbs
- 5 in = 12.7 cm
- 20 mm = 0.2 cm
- 3 cm = 1.16 in

B. APOTHECARY

- 120 mL = 4 ounces

- 2 ounces = 60 mL
- 2 lbs = 32 ounces
- 48 ounces = 32 lbs
- 4 lbs = 32 ounces
- 32 ounces = 2 lbs
- 60 mL = 2 ounces
- 6 ounces = 180 mL

C. HOUSEHOLD

- 1 tsp = 5 mL
- 10 mL = 50 tsp
- 4 tbsp = 60 mL
- 15 mL = 1 tbsp