

MEDICATION ADMINISTRATION

METRIC MEASURE OF WEIGHT

1,000,000 micrograms (mcg) = 1 gram (g)

1000 micrograms (mcg) = 1 milligram (mg)

1000 milligrams (mg) = 1 gram (g)

1000 grams (g) = 1 kilogram (kg)

METRIC HOUSEHOLD EQUIVALENTS

5 milliliters (mL) = 1 teaspoon (tsp)

15 milliliters (mL) = 1 tablespoon (Tbsp)

30 milliliters (mL) = 1 ounce (oz)

240 milliliters (mL) = 1 standard measuring cup

1 kilogram (kg) or 1000 grams (g) = 2.2 pounds (lb)

2.5 cm = 1 inch

1 foot = 12 inches

COMMON APOTHECARY SYSTEM UNITS OF MEASURE

16 fluid ounces (fl oz) = 1 pint (pt)

32 fluid ounces (fl oz) = 2 pints (pt) or 1 quart (qt)

4 quarts (qt) = 1 gallon (gal)

APOTHECARY/METRIC EQUIVALENTS

1 mL = 1 cc (they are the same)

1 fluid ounce (fl oz) = 30 milliliters (mL)

6 fluid ounces (fl oz) = 180 milliliters (mL)

8 fluid ounces (fl oz) = 240 milliliters (mL)

16 fluid ounces (fl oz) or 1 pint (pt) = 500 milliliters (mL)

32 fluid ounces (fl oz) or 1 quart (qt) = 1000 milliliters (mL) or 1 liter (L)

2.2 pounds (lb) = 1000 grams (g) or 1 kilogram (kg)

1 Kilogram (kg) is the same as 1000, therefore, 1 kg = 1 L because 1 Liter (L) is the same as 1000

METRIC MEASURE OF VOLUME

1000 milliliters (mL) = 1 liter (L)

1 cubic centimeter (cm) = 1 milliliter (mL)

METRIC MEASURE OF LENGTH

1 meter (m) = 1000 mm or 100 cm

1 centimeter (cm) = 10 mm or 0.01 m

1 millimeter (mm) = 0.1 cm or 0.001 m

GUIDE

micro = 0.000001 or 1 millionth

milli = 0.001 or 1 thousandth

centi = 0.01 or 1 hundredth

kilo = 1000 or 1 thousand

APOTHECARY/HOUSEHOLD EQUIVALENTS

8 fluid ounces (fl oz) = 1 standard measuring cup

1 gr. = 60 to 65 mg

CONVERTING CELSIUS/FAHRENHEIT TEMPS

F to C- subtract 32 and divide by 1.8

C to F- multiply by 1.8 and add 32

ROMAN NUMERALS

ARABIC NUMERAL

i	1
v	5
x	10
l	50
c	100

DECIMAL PLACE VALUE

	HUNDRED	TEN									TEN	HUNDRED	
	THOUSANDS	THOUSANDS	THOUSANDS	HUNDREDS		UNITS		TENTHS	HUNDREDS	THOUSANDS	THOUSANDS	THOUSANDS	MILLIONS
7	6	5	4	3	2	1	*	1	2	3	4	5	6

WHOLE NUMBERS

DECIMAL FRACTIONS