Do Your Metric System Skills Measure Up?!

Name:_____ Per:_____

KNOWLEDGE:

1. In the space below, record the "Prefix Line":

```
                              BASE
_____ ~ _____ ~ _____ ~ UNIT _____ ~ _____ ~ _____
                             (gram,
                             meter,
                             liter)
```

2. List the tool and unit used for each metric measurement in the table below:

MEASUREMENT	TOOL	UNIT
Distance/Length		
Mass		
Volume		

COMPREHENSION:

Identify the prefix and/or unit for the abbreviations below:

k = _____   l = _____   d = _____

g = _____   da = _____   m (the unit)= _____

h = _____   m (the prefix) = _____   c = _____

APPLICATION:

Complete the conversions below. (HINT: move your decimal left or right the number of places your prefix has moved!)

85 cm = _____ hm   9.8 dl = _____ dal

64.8 dag = _____ dg   77 L = _____ kl

62.5 m = _____ mm   312 mg = _____ g
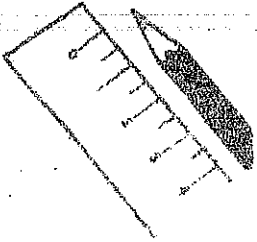
78.98 cl = _____ L   475 hL = _____ dal

The Metric System

Change the following numbers to the appropriate units of measurements.

6.2 kilograms = _____ grams

73.36 liters = _____ milliliters

12.3 meters = _____ centimeters

5.2 meters = _____ kilometers

76.3 millimeters = _____ centimeters

143.2 meters = _____ millimeters

312 milligrams = _____ grams

15.3 milliliters = _____ liters

7.5 grams = _____ milligrams

62.1 meters = _____ centimeters

53.5 liters = _____ milliliters

12.3 kilometers = _____ meters

79.4 milliliters = _____ liters

43.9 milligrams = _____ kilograms

67.2 meters = _____ kilometers

Write the names of the basic metric units used to measure each of the following numbered items. Then, next to each lettered item, tell which subunit of these measurements would be most practical to use.

Distance _____

a. From home to school _____

b. Length of the classroom _____

c. Width of this page _____

Volume _____

a. Volume of a large jug _____

b. Liquid medicine _____

Mass _____

a. Your mass _____

b. Mass of a pin _____