# Converting Metric Measurements Study Guide

## Part One:
## Have these memorized & be able to fill in the numbers on a chart like this.

| Length | Weight | Capacity |
|---|---|---|
| _____ millimeters = 1 centimeter | _____ milligrams = 1 gram | ____ millileters = 1 liter |
| _____ centimeters = 1 meter | _____ grams = 1 kilogram | |
| _____ meters = 1 kilometer | | |

## Part Two:  Be able to choose a reasonable measurement for an item.

**Length choices:   millimeters, centimeters, meters, kilometers**
What unit would you use to measure each of these distances?

- the width of your textbook _____

- the distance between Shawnee and Bonner Springs _____

- the height of a skyscraper building _____

- the width of a ladybug's body _____


**Weight choices:   grams, kilograms**
What unit would you use to measure the weight of each of these items?

- the weight of a real train engine _____

- the weight of a cupcake _____

- the weight of a large dog _____


**Capacity choices:   milliliter, liter**
What is the most reasonable estimate for each of these items?

- the amount of water in a fish tank   **10 milliliters        10 liters**

- the amount of milk in a glass        **200 milliliters        20 liters**

- the amount of orange juice in a pitcher        **10 milliliters        1 liter**

- the amount of medicine in a bottle        **100 milliliters        100 liters**

# Converting Metric Measurements Study Guide

## Part 3:

**Be able to convert measurements from one unit to another. Use the chart to help you! Show your work.**

A) 18 centimeters = _____ millimeters

B) 3,000 millimeters = _____ centimeters

C) 13 kilometers = _____ meters

D) _____ centimeters = 5 meters

E) 2,000 centimeters = _____ meters

F) 8,000 meters = _____ kilometers

G) _____ millimeters = 400 centimeters

H) 5,000 kilometers = _____ meters

# Converting Metric Measurements Study Guide

I) 3 kilograms = _____ grams

J) 8,000 grams = _____ kilograms

K) _____ grams = 5,000 kilograms

L) 3,000 milliliters = _____ liters

M) 5 liters = _____ milliliters

N) _____ milliliters = 7 liters
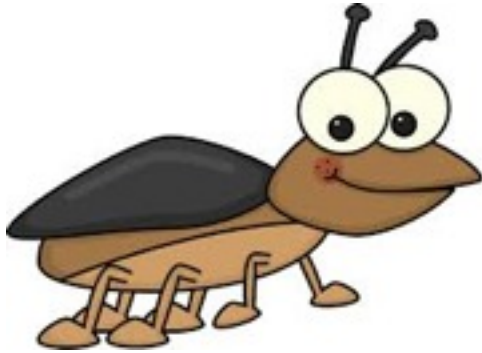
O) 9,000 liters = _____ milliliters

P) 6 liters = _____ milliliters

# Converting Metric Measurements Study Guide

**Part 4:**

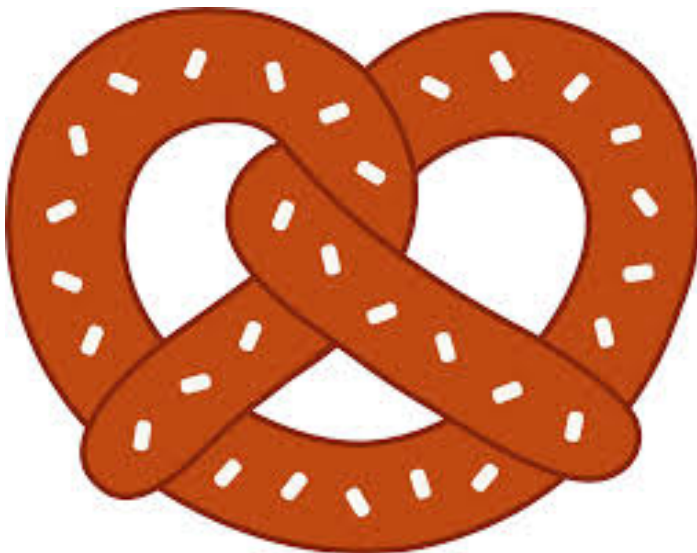**Measure each object to the nearest centimeter <u>and</u> millimeter. Label your answers.**

_____

_____

length of bug

_____

_____

height of ice cream cone

_____

_____

width of pretzel