

NAME \_\_\_\_\_

Period \_\_\_\_\_ DATE \_\_\_\_\_

## METRIC EQUATIONS

## Metric System

## Length-Meter

- 1 kilometer (Km) = 1000 meters
- 1 Meter = 100 centimeters (cm)
- 1 Meter = 1000 millimeters (mm)
- 1 Centimeter = 10 millimeters

## Mass-Gram

- 1 Kilogram (Kg) = 1000 grams (Gm)
- 1 Gram = 1000mg
- 1 Milligram = .001 Grams

## Volume-Liter

- 1 Liter = 1000 Milliter (ml)
- 1 Milliter (ml) = .001 liters

## Problems-Solve

1. 3 meters = \_\_\_\_\_ centimeters      2. 5 meters = \_\_\_\_\_ centimeters
3. 74 meters = \_\_\_\_\_ centimeters      4. 26 m = \_\_\_\_\_ cm
5. 5 kilometers = \_\_\_\_\_ meters      6. 38 kilometers = \_\_\_\_\_ meters
7. 6 km = \_\_\_\_\_ m      8. 10 km = \_\_\_\_\_ m      9. 0.015 km = \_\_\_\_\_ m
10. 5 liters = \_\_\_\_\_ milliliters      11. 10000 ml = \_\_\_\_\_ liters
12. Bunch of grapes:  
0.34 kg, or \_\_\_\_\_ gm
13. Box of candy:  
0.9 Kg or \_\_\_\_\_ gm
14. Pepsi in can:  
0.355 L, or \_\_\_\_\_ ml
15. Cocoa in thermos:  
1.9 L, or \_\_\_\_\_ ml
16. Water in bucket:  
3.85 L, or \_\_\_\_\_ ml
17. Length of football field:  
91.4 m, or \_\_\_\_\_ cm
18. Height of table:  
0.76 m, or \_\_\_\_\_ mm
19. A bathtub holds about (4, 40, 400) liters of water. Circle One.
20. The McCauley family drinks about (3, 30, 300) liters of milk per year. Circle One.

# Science Olympics Metric Review

**Names** \_\_\_\_\_

BM-Compare & contrast physical & chemical properties of specific substances.

BM-Select and use appropriate units and tools to measure to a degree of accuracy required in a particular situation.

**Meter      Liter      Gram**

Estimate and measure the following objects and things using metric measure. (Meter Liter Gram)

Estimate      Measure      Object

\_\_\_\_\_      \_\_\_\_\_      Your Pencil's Length

\_\_\_\_\_      \_\_\_\_\_      Your Pencil's Mass

\_\_\_\_\_      \_\_\_\_\_      Length of desk

\_\_\_\_\_      \_\_\_\_\_      Length of textbook

\_\_\_\_\_      \_\_\_\_\_      Mass of Ruler

\_\_\_\_\_      \_\_\_\_\_      Length of Lab Partners Arm

\_\_\_\_\_      \_\_\_\_\_      Length of Lab Partners Nose

\_\_\_\_\_      \_\_\_\_\_      Lab Partners Height

\_\_\_\_\_      \_\_\_\_\_      Length of room in meters

\_\_\_\_\_      \_\_\_\_\_      Length of room in centimeters

How many centi meters in a meter?

How many grams in a kilogram?

How many Milliliters in a liter?