

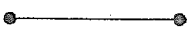


# METRIC MEASUREMENT LAB


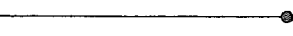
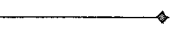
Name \_\_\_\_\_  
 Period \_\_\_\_\_ Assignment # \_\_\_\_\_

**DIRECTIONS:** Using the metric ruler, meter stick, thermometer, and scale, make the following measurements. Include UNITS with each of your answers.

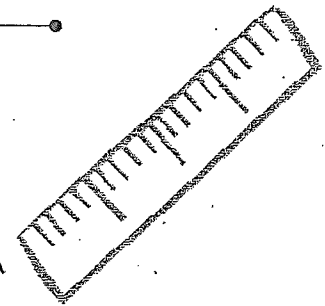
Measure each of these line segments to the nearest millimeter (mm).

1. \_\_\_\_\_ mm 
2. \_\_\_\_\_ mm 
3. \_\_\_\_\_ mm 

Measure each of these line segments to the nearest centimeter (cm).

4. \_\_\_\_\_ cm 
5. \_\_\_\_\_ cm 
6. \_\_\_\_\_ cm 

Measure the following to the nearest centimeter (cm).



7. \_\_\_\_\_ cm Length of student table/desk. <sup>Convert to</sup> \_\_\_\_\_ mm; \_\_\_\_\_ m
8. \_\_\_\_\_ cm Height of a student table. \_\_\_\_\_ mm; \_\_\_\_\_ m
9. \_\_\_\_\_ cm Length of your right shoe. <sup>Convert to</sup> \_\_\_\_\_ mm; \_\_\_\_\_ m
10. Measure textbook thickness \_\_\_\_\_ mm; \_\_\_\_\_ cm; \_\_\_\_\_ m
11. Measure textbook width (shortest length) \_\_\_\_\_ mm; \_\_\_\_\_ cm; \_\_\_\_\_ m
12. Measure your body height: \_\_\_\_\_ cm <sup>Convert to</sup> \_\_\_\_\_ mm; \_\_\_\_\_ m;  
 and \_\_\_\_\_ km
13. Measure textbook length (longest length) in \_\_\_\_\_ mm; \_\_\_\_\_ cm;  
 \_\_\_\_\_ m
14. What are the metric base units for the following:
  - o Distance: \_\_\_\_\_
  - o Mass: \_\_\_\_\_
  - o Volume: \_\_\_\_\_
  - o Temperature: \_\_\_\_\_
15. What are the metric prefixes that have the following values:
  - o 1000 = \_\_\_\_\_
  - o 0.001 or 1/1000 = \_\_\_\_\_
  - o 0.01 or 1/100 = \_\_\_\_\_
  - o 0.1 or 1/10 = \_\_\_\_\_