**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_**

# **UNIT 1: Worksheet C - Units of Standard Measure**

1. Measure the longest part of this paper with a ruler.

Answer:

1. If you gave this measurement to a person in the hall, would they know exactly how long your paper was from your measurement? Why or Why not?

Given the centimeter as our standard. **Estimate** the lengths of the following lines in centimeters. In the second blank, show this estimate in millimeters.

1. \*------------------------\*, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_
2. \*-----------------------------------------\*, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_
3. \*-----------------------------------------------------------------------------------\* \_\_\_\_\_\_, \_\_\_\_\_\_
4. Estimate the length of this classroom in meters.

Answer:

1. What metric unit would you use to estimate the actual distance between Boston and New York?

Answer:

1. Do the following calculations and express your answers properly. **Show your work.**
   1. How many centimeters are there in 27.3 millimeters? Answer: \_\_\_\_\_\_\_\_\_\_
   2. How many meters are there in 1234 centimeters? Answer: \_\_\_\_\_\_\_\_\_\_
   3. A car traveled 456 km, how far did it go in meters? Answer: \_\_\_\_\_\_\_\_\_\_
   4. There are 1000 μm (micrometers) in 1.0 mm; how many micrometers are there in 3.75 cm?