

Metric Review Worksheet

Name _____

Part 1: Choose the correct unit to measure each of the items below:

- 1) Mass of a marble _____ 2) Volume of a marble _____
3) Mass of a dump truck _____ 4) Temperature outside _____
5) Your mass _____ 6) Length of a room _____
7) Distance to your house _____ 8) Volume of a cup _____
9) Height of your bed _____ 10) Mass of a sugar crystal _____

Part 2: Make the following conversions:

- 11) 4 grams = _____ milligrams 12) 5 milliliters = _____ cubic centimeters
13) 3.1 kilometers = _____ meters 14) 26 meters = _____ cm
15) 2 kilograms = _____ grams 16) 15 centimeters = _____ meters

Part 3: Fill in the blanks

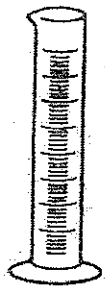
Measure	Unit	Instrument or Tool
Volume	17) _____	18) _____
19) _____	kilogram	20) _____
21) _____	22) _____	Celsius Thermometer
23) _____	meter	24) _____
Mass	25) _____	26) _____

Part 4: Short Answer

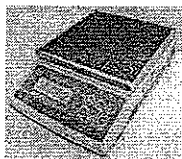
27) You and your lab partner each measure the length of the classroom using your own feet. Why might your answers be different from each other? Explain.

28) If you used a meter stick, should you have the same answer? Explain.

Part 5: What unit does each of the following instruments measure?



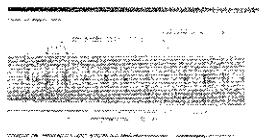
29) _____



30) _____



31) _____



32) _____

Part 6: Unit Conversions & Review

34) Fill in the missing numbers:

- a) There are _____ millimeters in 1 centimeter.
- b) There are _____ centimeters in 1 meter.
- c) There are _____ decimeters in 1 meter.
- d) There are _____ centimeters in 1 decimeter.

35) What is the abbreviation for the following units?

- | | | | |
|---------------|-------|---------------|-------|
| a) centimeter | _____ | b) decimeter | _____ |
| c) meter | _____ | d) millimeter | _____ |
| e) milligram | _____ | f) kilogram | _____ |
| g) liter | _____ | | |

Part 7: Using Metrics to Solve Scientific Problems

36) Find the volume of the rectangular solid.

