

Name \_\_\_\_\_

What units would you use to *best* measure these properties of these objects? Choose from the word bank at right, and write its letter in the blank: each word will be used once.

- |  |               |
|--|---------------|
| _____ 1. <b>Length</b> (height) of a tree      | a. Centimeter |
| _____ 2. <b>Mass</b> of a hamster              | b. Degree     |
| _____ 3. <b>Volume</b> of an aquarium          | c. Gram       |
| _____ 4. <b>Length</b> of a finger nail        | d. Kilogram   |
| _____ 5. <b>Mass</b> of an tiny insect         | e. Liter      |
| _____ 6. <b>Volume</b> of a graduated cylinder | f. Meter      |
| _____ 7. <b>Temperature</b> of a classroom     | g. Milligram  |
| _____ 8. <b>Mass</b> of an elephant            | h. Milliliter |
| _____ 9. <b>Length</b> of a lab book           | i. Millimeter |

Use the information listed below to answer questions 12 - 18

1 meter = 100 centimeters

1 meter = 1000 millimeters

1 liter = 1,000 milliliters

1 kilogram = 1,000 grams

1 gram = 1,000 milligrams

12. How many millimeters are in one meter? \_\_\_\_\_

13. How many millimeters are in one centimeter? \_\_\_\_\_

14. A line 5 cm long is how many millimeters long? \_\_\_\_\_

15. A lab table is two meters long. What is its length in millimeters? \_\_\_\_\_

16. A microscope's mass is 1 kilogram. What is it in grams? \_\_\_\_\_

17. Three liters of water are how many milliliters? \_\_\_\_\_

18. Circle the largest measurement of each pair below:

a. 2 meters or 50 centimeters

c. 11 centimeters or 15 millimeters

b. 1 meter or 120 centimeters

d. 5 centimeters or 60 millimeters

Use a ruler to measure the lines to the nearest *tenth* of a centimeter (cm) **ex: 5.2 or 7.1 cm**

19. \_\_\_\_\_ cm      Line A \_\_\_\_\_

20. \_\_\_\_\_ cm      Line B \_\_\_\_\_

21. \_\_\_\_\_ cm      Line C \_\_\_\_\_

Complete the following:

22.            23.6 cm      =      \_\_\_\_\_ mm

23. \_\_\_\_\_ cm      =                    186 mm

24. \_\_\_\_\_ cm      =                    1043 mm

25.            20.632 m      =      \_\_\_\_\_ mm

26.            0.087 m      =      \_\_\_\_\_ mm

Measure the object, calculate the area or volume, and use the correct units **SHOW WORK!**

27. Rectangle (cm<sup>2</sup>)



28. Cube (note: all sides have same length) SHOW WORK      (cm<sup>3</sup>)

