



Name _____

Date _____

Metric System Test

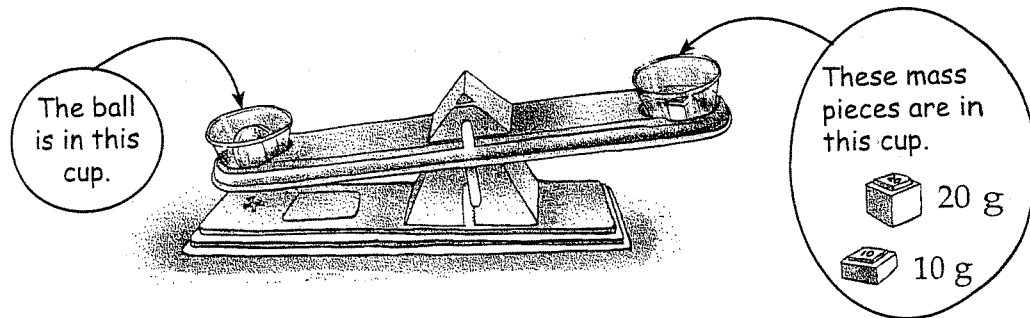
Property	Balance	Length
Scale	State of matter	Liters
Weight	Volume	Meters
Mass	Temperature	Matter
Grams	Graduated Cylinder	Degrees Celsius
Thermometer	Meniscus	

Matching

Match each definition with a word.

1. _____ The curve in the surface of a liquid which occurs close to the surface of a container
2. _____ A description of matter, including its state of matter, its size, mass, and freezing and boiling points
3. _____ The basic unit of length in the metric system
4. _____ An instrument used to measure temperature.
5. _____ Anything that takes up space and has mass. The substance of which physical objects are composed.
6. _____ The amount of space that an object occupies.
7. _____ A measuring instrument for mass. One of these can tell you your current weight. This instrument gives different readings depending on the force of gravity.
8. _____ The force exerted by a mass as a result of gravity.
9. _____ An instrument used to measure mass which does not change its readings for different amounts of gravity.
10. _____ A physical property that is a measure of the distance from one end of something to the other.
11. _____ The three forms of matter (liquid, solid, and gas).
12. _____ How volume is measured in the metric system
13. _____ A physical property that tells you how hot or cold matter is.
14. _____ An instrument used to measure volume. It usually has graduation lines marked in mL.
15. _____ The amount of matter in an object
16. _____ How mass is measured in the metric system
17. _____ How temperature is measured in the metric system

em45. Look at the picture below.



a. Which of the following could be the mass of the ball?
(Circle the one best answer.)

- A. 20 grams
- B. 30 grams
- C. 40 grams

b. Why do you think that is the mass of the ball?

em46. What are the characteristics of the following types of matter?

- a. Solid _____

- b. Liquid _____

- c. Gas _____

em39. Look at the list of matter below. Put an **S** in front of each solid, an **L** in front of each liquid, and a **G** in front of each gas.

_____ rock

_____ juice

_____ sand

_____ air

_____ shirt

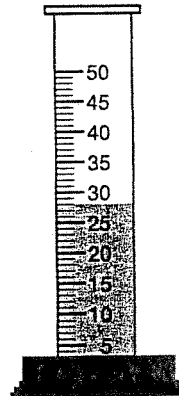
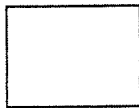
_____ helium inside a balloon

_____ plastic cup

_____ oil

_____ gasoline

em40. What is the volume of water in the graduated cylinder shown at right?



em41. What is the best unit to use when recording the mass of a bicycle?

(Circle the one best answer.)

A. kilogram

B. gram

C. liter

em42. Orenda and Akia each used marbles to weigh the same apple. Both used the correct procedure. Their results are shown below.



Orenda	Akia
35 marbles	60 marbles

a. Since they weighed the same apple, why do you think they got different results?

b. What could they do to make their results more useful for other students?

em43. A graduated cylinder is used for measuring
(Circle the one best answer.)

- A. mass.
- B. volume.
- C. temperature.

em44. Why is it important to use a standard unit when making measurements?
