

## Metric Mania

Name \_\_\_\_\_

### LENGTH:

1. What is the basic unit for length? \_\_\_\_\_
2. Circle the best unit for measuring each distance:
  - a. Thickness of an eyelash: mm cm m
  - b. Length of a pencil: cm m km
3. Use a meter stick or metric ruler to find each measurement.
  - a. Width of this page \_\_\_\_\_ mm or \_\_\_\_\_ cm
  - b. Length of an unsharpened pencil \_\_\_\_\_ cm
4. Convert the following measurements:
  - a. 34 mm = \_\_\_\_\_ cm
  - b. 3 km = \_\_\_\_\_ m
  - c. 234 cm = \_\_\_\_\_ m
  - d. 35 m = \_\_\_\_\_ mm

### MASS:

5. What is the basic unit for mass? \_\_\_\_\_
6. Circle the best unit for measuring each mass:
  - a. Amount of spices in a batch of cookies: mg g kg
  - b. Your mass: mg g kg
  - c. Mass of 10 pennies: mg g kg
7. Use a triple-beam balance to find each measurement.
  - a. Mass of an ink pen \_\_\_\_\_ g
  - b. Mass of a can of soda \_\_\_\_\_ g
8. Convert the following measurements:
  - a. 16 mg = \_\_\_\_\_ g
  - b. 4.7 kg = \_\_\_\_\_ g
  - c. 12,345 g = \_\_\_\_\_ kg
  - d. 2 g = \_\_\_\_\_ mg

### TEMPERATURE:

15. What is the basic unit for temperature? \_\_\_\_\_
16. What are the freezing and boiling points for water on this scale? \_\_\_\_\_
17. Circle the best choice:
  - a. Temperature on a hot summer's day: 0 ° 35 ° 90 °
  - b. Room temperature: - 20 ° 0 ° 20 °
18. Convert the following measurements.
  - a. 90° F = \_\_\_\_\_ ° C
  - b. 45° F = \_\_\_\_\_ ° C