

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