

# Units of Measure and Precision

Measure each line to the nearest  $\frac{1}{8}$  inch and to the nearest centimeter.

1. \_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Measure each line segment to the nearest  $\frac{1}{16}$  inch and to the nearest millimeter.

5. \_\_\_\_\_

6. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9. The mast of a sailboat was measured at 14.5 feet, 14.48 feet, and 14 feet  $5\frac{3}{16}$  inches. Which is the most precise measurement? Why?

\_\_\_\_\_

10. A Maui's Dolphin is measured at 9.4 meters. Name three units of measure that would be more precise than the unit used to measure the dolphin.

\_\_\_\_\_

11. The doctor prescribed some powdered medicine in 3-centigram doses. The pharmacist prepared the medicine by measuring each dose in milligrams. Which measure is most precise? Why?

\_\_\_\_\_

12. You can buy soup measured in cups, fluid ounces, pints, or quarts. Which measure would give you the most precise measurement?

A cups

B pints

C fluid ounces

D quarts

13. **Writing to Explain** Which would be a more precise unit of measure: 1 cm or 1 mm? Explain your reasoning.

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