NAME_____

Module 12   Attributes and Tools
Lesson 4   Measurement: Distance

Lesson Objectives

- Solve real-world problems involving distance.
- Draw and measure distance to the nearest cm and $\frac{1}{4}$ inch, the nearest mm and $\frac{1}{8}$ inch, and the nearest mm and $\frac{1}{16}$ inch accurately.

Subtopic 1   **Draw and Measure Customary Distance/Length**

1 Find the diameter of a nickel to the nearest quarter inch and to the nearest sixteenth inch.

2 Draw a line segment that is $4\frac{5}{16}$ inches long.

3 Charlotte measured an $8\frac{7}{16}$ inch feather. Find its length to the nearest eighth inch.

Subtopic 2   **Draw and Measure Metric Distance/Length**

4   Find the length of the battery to the nearest millimeter and centimeter.

5   Draw a segment 5.8 centimeters long.

Subtopic 3   **Problem Solving with Customary Distances**

6   To make a post for a birdhouse, Ivan joined two pieces of wood – one four feet 10 inches long and another three feet seven inches long. How high is the post?

Subtopic 4   **Problem Solving with Metric Distances**

7   Samantha ran 800 meters five times. Jennifer ran three kilometers. Who ran farther?