

Name \_\_\_\_\_

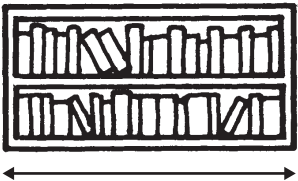
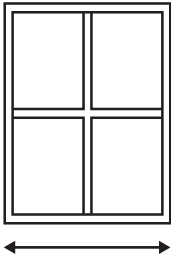

# HANDS ON Lesson 9.5

## Centimeters and Meters



**COMMON CORE STANDARD—2.MD.2**  
*Measure and estimate lengths in standard units.*

Measure to the nearest centimeter.  
Then measure to the nearest meter.

Find the real object.	Measure.
1. bookcase 	_____ centimeters _____ meters
2. window 	_____ centimeters _____ meters
3. map 	_____ centimeters _____ meters

### Problem Solving



4. Sally will measure the length of a wall in both centimeters and meters. Will there be fewer centimeters or fewer meters? Explain.

---

---

---

## Lesson Check (2.MD.2)

1. Use a centimeter ruler. What is the length of the toothbrush to the nearest centimeter?



\_\_\_\_\_ centimeters

## Spiral Review (2.NBT.7, 2.MD.2, 2.MD.8)

2. List a group of coins that equals 65 cents.

\_\_\_\_\_

\_\_\_\_\_

3. Janet has a poster that is about 3 feet long. Fill in the blanks with the word inches or feet to make the statement true.

3 \_\_\_\_\_ is longer than

12 \_\_\_\_\_.

4. Last week, 483 children checked books out from the library. This week, only 162 children checked books out from the library. How many children checked out library books in the last two weeks?

$$\begin{array}{r} 483 \\ + 162 \\ \hline \end{array}$$

5. List a group of coins with a value of \$1.00?

\_\_\_\_\_

\_\_\_\_\_

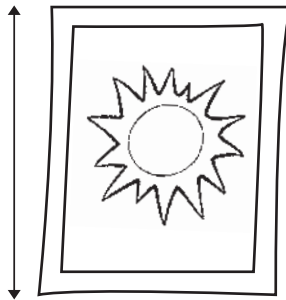
# Estimate Lengths in Meters



**COMMON CORE STANDARD—2.MD.3**  
Measure and estimate lengths in standard units.

Find the real object.  
Estimate its length in meters.

1. poster



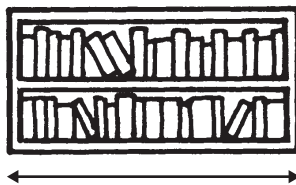
about \_\_\_\_\_ meters

2. chalkboard



about \_\_\_\_\_ meters

3. bookshelf



about \_\_\_\_\_ meters

## Problem Solving

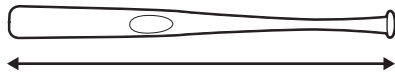


4. Barbara and Luke each placed 2 meter sticks end-to-end along the length of a large table. About how long is the table?

about \_\_\_\_\_ meters

## Lesson Check (2.MD.3)

1. What is the best estimate for the length of a real baseball bat?



\_\_\_\_\_ meter

2. What is the best estimate for the length of a real couch?



\_\_\_\_\_ meters

## Spiral Review (2.MD.1, 2.MD.8)

3. Sara has two \$1 bills, 3 quarters, and 1 dime. How much money does she have?

\$ \_\_\_\_ . \_\_\_\_

4. Use an inch ruler. What is the length of this straw to the nearest inch?



\_\_\_\_\_ inches

5. Scott has this money in his pocket. What is the total value of this money?

\$ \_\_\_\_ . \_\_\_\_



Name \_\_\_\_\_

# HANDS ON Lesson 9.7

## Measure and Compare Lengths



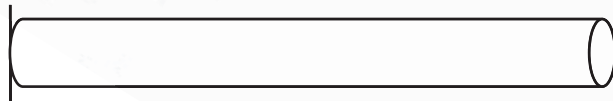
**COMMON CORE STANDARD—2.MD.4**  
*Measure and estimate lengths in standard units.*

Measure the length of each object. Write a number sentence to find the difference between the lengths.

1.



\_\_\_\_\_ centimeters

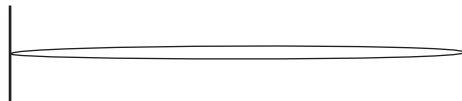


\_\_\_\_\_ centimeters

$$\underline{\hspace{2cm}} \text{ centimeters} - \underline{\hspace{2cm}} \text{ centimeters} = \underline{\hspace{2cm}} \text{ centimeters}$$

The craft stick is \_\_\_\_\_ centimeters longer than the chalk.

2.



\_\_\_\_\_ centimeters



\_\_\_\_\_ centimeters

$$\underline{\hspace{2cm}} \text{ centimeters} - \underline{\hspace{2cm}} \text{ centimeters} = \underline{\hspace{2cm}} \text{ centimeters}$$

The string is \_\_\_\_\_ centimeters longer than the toothpick.

### Problem Solving

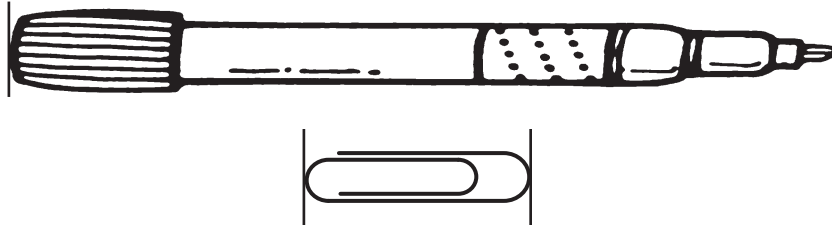
Solve. Write or draw to explain.

3. A string is 11 centimeters long, a ribbon is 24 centimeters long, and a large paper clip is 5 centimeters long. How much longer is the ribbon than the string?

\_\_\_\_\_ centimeters longer

## Lesson Check (2.MD.4)

1. How much longer is the marker than the paper clip? Circle the correct answer.



11 centimeters longer  
10 centimeters longer

8 centimeters longer  
5 centimeters longer

## Spiral Review (2.MD.3, 2.MD.7, 2.MD.8)

2. What is the total value of these coins?



\$ \_\_\_\_\_ or \_\_\_\_\_ cents

3. What is a reasonable estimate for the length of a real chalkboard?

\_\_\_\_\_ feet

4. Cindy leaves at half past 2. At what time does Cindy leave?

\_\_\_\_\_ : \_\_\_\_\_