

# Relating Inches, Feet, and Yards

NCTM Standards 1, 2, 4, 6, 7, 8, 9, 10  
Common Core State Standards 2.MD 2

## Lesson Planner

### STUDENT OBJECTIVES

- To measure the length of an object using inches and feet
- To describe how measurements relate to the size of the unit chosen

## 2 Teach and Practice

### MATERIALS

- A** Feet to Inches and Yards to Feet (TG p. 926)
- B** Playing a Game: What's My Length? (TG p. 927)
- C** Working with Inches, Feet, and Yards (TG p. 928)
- D** Using Different Units of Measure (CCRG p. CC 57)

Added Activity

- CCRG: Activity Master, Measuring in Inches and Feet
- classroom objects (measuring from about 12" to about 36")
- inch rulers
- yardsticks

## Lesson Notes

Activity D has been added to **Lesson 12.4**. Introduce Activity D after children complete Activity C.

### About the Activity

In Activity D, children will discover that the number that they get for the measurement of an object depends on the size of the unit they are using.

## 2 Teach and Practice

### D Using Different Units of Measure



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**Purpose** To recognize that it takes more smaller units than larger units to measure the same length

**Introduce** Display a collection of classroom objects. Choose one object and have volunteers measure the object to both the nearest inch and the nearest foot. Display the information in a table. Use Activity Master: Measuring in Inches and Feet or copy the table onto the board.

**Task** Have children measure the displayed objects to the nearest inch and to the nearest foot. Each pair should measure the objects and record their data in the table on Activity Master: Measuring in Inches and Feet.

**Share** After all pairs have completed their measurements, bring children together and share the results.



#### Talk Math

- Why do you always need more inches than feet to measure the same object? Possible answer: An inch is shorter than a foot, so it takes more of them to measure the same object.
- For the objects we measured today, why might we want to measure to the nearest inch instead of to the nearest foot? Possible answer: Measuring to the nearest inch will come closer to the exact measurement.

#### Materials

- For each pair: AM: Measuring in Inches and Feet, classroom objects (from about 12" to about 36"), inch rulers, yardsticks

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CCSS 2.MD 2

Measuring in Inches and Feet		
Object	Length to the Nearest Inch	Length to the Nearest Foot
My Desk	26 inches	2 feet

Activity Master: Measuring in Inches and Feet

#### Ongoing Assessment

- Can children accurately measure an object to the nearest inch, foot, and yard?
- If they need to move the ruler, do children accurately mark their place, move the ruler, and continue measuring?

# Measuring in Inches and Feet

Object	Length to the Nearest Inch	Length to the Nearest Foot
My Desk	<u>26</u> inches	<u>2</u> feet

