

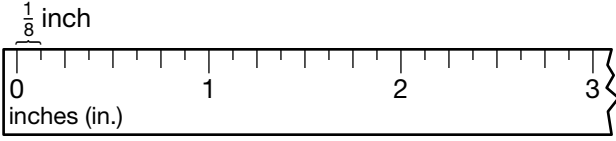


Name \_\_\_\_\_ Date \_\_\_\_\_

# Length in the Customary System

(pages 202–205)

Sometimes you need to measure objects using fractions of customary units. The most commonly used customary units of length are the **inch**, **foot**, **yard**, and **mile**.

<b>Customary Units of Length</b>	1 foot (ft) = 12 inches (in.) 1 yard (yd) = 3 feet or 36 inches 1 mile (mi) = 1,760 yards or 5,280 feet
<b>Using a Ruler</b>	 Most rulers are separated into eighths.

## EXAMPLES

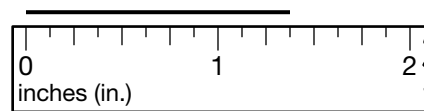
**A**  $36 \text{ in.} = \underline{\quad} \text{ ft}$

Since  $1 \text{ ft} = 12 \text{ in.}$ , it follows that  $36 \text{ in.}$ , or  $3 \times 12 \text{ in.}$ , equals 3 ft.

**B** Draw a line segment measuring  $1 \frac{3}{8}$  inches.

Find  $1 \frac{3}{8}$  on the ruler.

Draw a line segment from 0 to  $1 \frac{3}{8}$ .



## Try These Together

1.  $2 \text{ mi} = \underline{\quad} \text{ yd}$

*HINT: Start with  $1 \text{ mi} = 1,760 \text{ yd}$ . Multiply.*

2. Draw a line segment measuring  $2 \frac{1}{4}$  in.

*HINT: How many eighths are in  $\frac{1}{4}$ ?*

## PRACTICE

**Complete.**

3.  $6 \text{ ft} = \underline{\quad} \text{ yd}$

4.  $96 \text{ in.} = \underline{\quad} \text{ ft}$

5.  $36 \text{ ft} = \underline{\quad} \text{ yd}$

**Draw a line segment of each length.**

6.  $\frac{3}{4}$  inch

7.  $1 \frac{1}{8}$  inches

8.  $2 \frac{3}{8}$  inches

9. **Architecture** A room is 12 feet wide. How many inches wide is the room?



10. **Standardized Test Practice** Complete  $9 \text{ yd} = \underline{\quad} \text{ in.}$

**A** 324

**B** 27

**C** 108

**D** 3

Answers: 1. 3,520 2. See Answer Key. 3. 2 4. 8 5. 12 6–8. See Answer Key. 9. 144 in. 10. A