

Name _____

Change Customary Units of Length

Essential Question How can you change feet to inches?

UNLOCK the Problem REAL WORLD

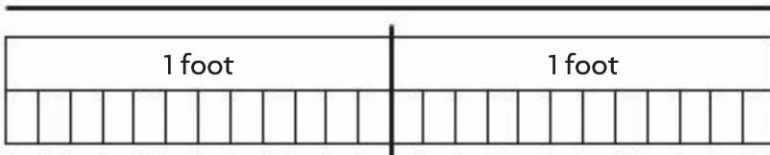
You can use different units to name the same length.

Erin has a shelf that is 2 feet long. How many inches long is Erin's shelf?

- What do you need to find?

One Way Draw a picture.

2 feet



Remember

1 foot = 12 inches

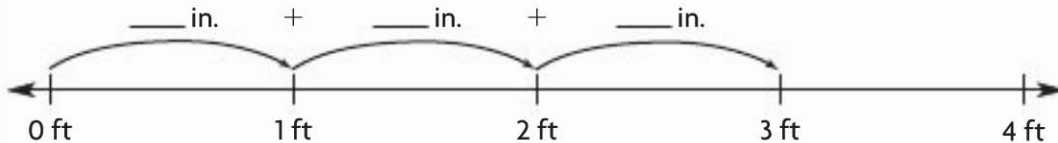
Draw one box to show each foot. Below each foot, draw 12 small boxes to show the number of inches in 1 foot. Count the total number of small boxes.

There are 24 small boxes in all. 2 feet = _____ inches.

So, Erin's shelf is _____ inches long.

Another Way Use a number line.

Erin has a table that is 3 feet long. How many inches long is her table? Draw a number line and label it in feet.



Draw a 12-inch jump for each foot. Add the lengths of the jumps to find the total number of inches.

3 feet = _____ inches.

So, Erin's table is _____ inches long.

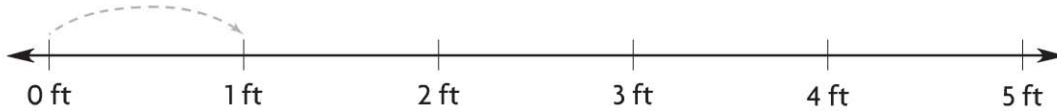
Math Talk

Why do you count by 12s when you rename feet as inches?

Share and Show



1. Use the number line. Rename 4 feet using inches.



4 feet = _____ inches

On Your Own

Draw a picture.

2. Rename 7 feet using inches.

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7 feet = _____ inches

3. Rename 6 feet using inches.

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6 feet = _____ inches

4. Use the number line. Rename 8 feet using inches.



8 feet = _____ inches

Problem Solving



5. Ella has a rope that is 10 feet long. How many inches long is the rope?
6. Jose is 5 feet tall. How many inches tall is he?
