

Lesson 3-10 • Group 1

Reinforce Understanding

3.10 Small Group • Group 1

With my small group, I can convert measurement units using ratios and conversion factors — one step at a time, with support.

Worked model

The cabinet is 5 feet tall. I want to know how many inches that is.

1. My conversion factor is 1 foot = 12 inches.
2. Inches are smaller than feet, so I multiply: $5 \times 12 = 60$.
3. So 5 feet = 60 inches.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Complete the conversion table using the given conversion factors.

Complete the table. Show how you found each value.

Given	Conversion Factor	Answer
2 feet	1 ft = 12 in	24 inches
6 yards	1 yd = 3 ft	
3 pounds	1 lb = 16 oz	

Show your work

2. Match each measurement to its equivalent value.

Write the letter of the matching item on each line.

1. _____ 3 yards
2. _____ 4 feet
3. _____ 5 pounds
4. _____ 2 yards
5. _____ 36 inches
6. _____ 3 pounds

- A9 feet
- B48 inches
- C80 ounces
- D72 inches
- E3 feet
- F48 ounces