

Lesson 3-6 • Group 1

Reinforce Understanding

3.6 Small Group • Group 1

With my small group, I can use ratio reasoning to convert between units within the same measurement system — one step at a time, with support.

Worked model

A bookshelf is 6 feet tall. How many inches is that? (1 foot = 12 inches)

1. Write the conversion factor. 1 ft = 12 in
2. Decide the direction. Feet → inches is LARGER to SMALLER, so multiply.
3. Multiply. $6 \times 12 = 72$
4. Check that it makes sense — inches are small, so the number got bigger. ✓

Answer: 6 feet = 72 inches.

Practice

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

1. There are 4 cups in 1 quart. Complete the conversion table.

Complete the table. Show how you found each value.

Quarts	Cups
1	4
3	
6	

Show your work

2. There are 1,000 milliliters in 1 liter. Complete the double number line as a table.

Complete the table. Show how you found each value.

Liters	Milliliters
1	1,000
2	
4	

Show your work
