

Lesson 4-5 • Group 2

Reinforce Understanding

4.5 Small Group • Group 2

I can determine the whole when I know a part and the percent that part represents, explain why the method works, and use it on a problem I have not seen before.

Worked model

A team has won 24 games, and that is 40% of the games it played. How many games did the team play?

1. Pair up what you know: 24 games matches 40%.
2. Step down to ten percent: divide both terms by four, giving 6 games.
3. Step up to one hundred percent: multiply both terms by ten.
4. Check forward: forty percent of your total should return the 24 wins.

Answer: The team played 60 games in all.

Practice

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

1. \$42 is 60% of the original price. Complete the ratio table to reach 100%.

Complete the table. Show how you found each value.

Percent	Dollars
60%	42
10%	
100%	

Show your work

2. A sweater's sale price of \$42 is 60% of the original price. Each section is 10%. Use the bar model to find the original price.

Use the model to solve. Show your work.

Show your work

Answer: _____

3. A shop reports that this week's \$60 in sales is 120% of last week's. Was last week better or worse, and by how much?

Circle the letter of the best answer. Show how you know.

- A. Worse — last week was \$50, so sales rose by \$10
- B. Better — last week was \$72, so sales fell
- C. Worse — last week was \$48
- D. You cannot tell without knowing the number of items sold

Show your work
