

Lesson 4-5 • Apply Day

Reinforce Understanding

Solve for the Whole

I can determine the whole when I know a part and the percent that part represents.

Worked model

A bike sold for \$138, which is 60% of its first price. What was the first price of the bike?

1. Let w stand for the first price — that is the unknown whole.
2. Write the equation: $0.6 \times w = 138$
3. Undo the multiplication by dividing both sides by 0.6
4. Check forward: sixty percent of your answer should return the sale price.

Answer: The first price of the bike was \$230.

Practice

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

1. (Lesson 4.4) Find 5% of 70 using a model or equation.

Complete each step, then write the final answer.

1. Write 5% as a decimal: ____.
2. Find the percent amount: $70 \times 0.05 =$ ____.

Answer: _____

2. (Lesson 4.4) Find 10% of 80 using a model or equation.

Complete each step, then write the final answer.

1. Write 10% as a decimal: ____.
2. Find the percent amount: $80 \times 0.1 =$ ____.

Answer: _____

3. (Lesson 4.4) Find 15% of 90 using a model or equation.

Complete each step, then write the final answer.

1. Write 15% as a decimal: ____.
2. Find the percent amount: $90 \times 0.15 =$ ____.

Answer: _____