

Lesson 4-4 • Apply Day

Reinforce Understanding

Compare with Percents

I can find the percent of a number using an equation or a model.

Worked model

Leo scored 21 out of 25 on one quiz and 16 out of 20 on another quiz. Which score is higher?

1. Write each score as a part-to-whole fraction: $21/25$ and $16/20$
2. Scale both terms of each fraction until the denominator reaches one hundred.
3. $21/25$ becomes 84 hundredths. $16/20$ becomes 80 hundredths.
4. Now the wholes match, so the percents can be compared directly.

Answer: The first quiz, at 84%, is the higher score.

Practice

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

1. 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. 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. 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: _____