

Lesson 4-4

Reinforce Understanding

Find and Compare with Percentages

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

Worked model

A store display holds 250 hats, and 36% of them are blue. How many of the hats are blue?

1. Name the pieces: the base is 250 hats, the percent is 36%, the part is unknown.
2. Write the percent in hundredths: 36% becomes 0.36
3. Write the equation: $\text{part} = 0.36 \times 250$
4. Multiply, then check that the part is smaller than the base.

Answer: 90 of the hats in the display are blue.

Practice

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

1. Find each percent of a number using the formula: $\text{Part} = \text{Percent} \times \text{Base}$.

Complete the table. Show how you found each value.

Percent	Base	Part
25%	60	15
40%	80	
15%	200	

Show your work

2. What is 20% of 150?

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

- A. 20
- B. 30
- C. 35
- D. 75

3. What is 50% of 84?

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

- A. 34
- B. 42
- C. 50
- D. 168