

## Lesson 4-4 • Group 2

# Reinforce Understanding

## 4.4 Small Group • Group 2

I can find the percent of a number using an equation or a model, explain what each part stands for, and build one for a situation I have not seen before.

**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. Complete each row to find the percent of a number.**

Complete the table. Show how you found each value.

| Percent | Base | Part |
|---------|------|------|
| 10%     | 250  |      |
| 75%     | 120  |      |
| 35%     | 200  |      |
| 8%      | 50   |      |

Show your work

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**2.  $200 \div 4 = 50$ . Each 25% section = 50 points. So 25% of 200 = 50.**

Use the model to solve. Show your work.

Show your work

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Answer: \_\_\_\_\_

**3. The claw machine prize is 80 tickets and today it is 25% off. How many tickets do you save?**

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

- A. 16
- B. 20
- C. 25
- D. 55