

LESSON

7

Proportional Relationships**Reading Strategies: Find a Pattern**

You can use decimals to find the percent of a number.

Find 35% of 80.

35% of 80 means 35% times 80.

Step 1: Change the percent to a decimal by moving the decimal point two places to the left. $35\% \rightarrow 0.35$

Step 2: Multiply the decimal times the number. $\rightarrow 0.35 \times 80$

The answer is 28, so 35% of 80 is 28.

Answer each question.

1. What decimal is equal to 35%? _____
2. How do you change a percent to a decimal?
3. After the percent is changed to a decimal, what is the next step in finding the percent of a number?
4. Write 10% as a decimal. _____
5. What is 10% of 60? _____
6. What is 20% of 60? _____
7. What is 30% of 60? _____
8. What is 40% of 60? _____
9. What pattern did you notice in the answers to 10, 20, 30, and 40 percent of 60?