Solving Percent Problems

You can represent "a is p percent of b" using the proportion

$$\frac{a}{b} = \frac{p}{100}$$

where a is a part of the base b and p%, or $\frac{p}{100}$, is the percent.

Example 1 Finding a Percent

What percent of 9 is 5?

$$\frac{a}{b} = \frac{p}{100}$$

Write proportion.

$$=\frac{p}{100}$$

Substitute for a and for b.

$$\cdot \frac{3}{9} = \cdot \frac{7}{100}$$

Multiply each side by



is > xdm

Checkpoint Use a proportion to answer the question.

1. What percent of 28 is 4?

381

37.5/

