

Lesson
5.2**Extra Practice**

Write and solve a proportion to answer the question.

- 40% of what number is 15?
- 24 is 0.6% of what number?
- What percent of 75 is 27?
- 17 is what percent of 68?
- Your friend uses the percent proportion to answer the question below. Is your friend correct? Explain your reasoning.

$$\frac{a}{w} = \frac{p}{100}$$
$$\frac{19}{w} = \frac{20}{100}$$
$$w = 95$$

“20% of what number is 19?”

- Of the 60 seeds that you plant, 80% germinate. How many seeds germinate?
- You are charged 6% sales tax. You purchase a new bicycle and pay \$27 in sales tax. What is the purchase price of the bicycle?

Write and solve a proportion to answer the question.

- 0.2 is what percent of 16?
- 19.6 is 24.5% of what number?
- $\frac{3}{5}$ is 30% of what number?
- What number is 45% of $\frac{5}{9}$?
- The ratio of roses to carnations in a vase is 6 : 14. What percent of the flowers in the vase are carnations?
- You are making 28 name badges for a committee. You complete 75% of these on Monday. How many do you have left to complete on Tuesday?
- You and your friend are selling tickets for the orchestra concert. On Thursday, you sold 15 tickets and your friend sold 10 tickets.
 - What percent of the tickets sold on Thursday did you sell?
 - On Friday, you sold 9 tickets and your friend sold 16 tickets. What percent of the tickets sold on Friday did you sell?
 - What percent of the total tickets sold on Thursday and Friday did you sell?