

## 6.3 Practice

Match the question with the correct proportion.

1. 75 is 12% of what number?

A.  $\frac{12}{75} = \frac{p}{100}$

2. What number is 12% of 75?

B.  $\frac{75}{b} = \frac{12}{100}$

3. What percent of 75 is 12?

C.  $\frac{a}{75} = \frac{12}{100}$

Use a proportion to answer the question.

4. What percent of 50 is 5?

8. What number is 15% of 80?

5. What percent of 75 is 21?

9. What number is 40% of 95?

6. 68 is 85% of what number?

10. What percent of 60 is 27?

7. 40 is 32% of what number?

11. 18 is 6% of what number?

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12. You have 45 books on your bookshelf. If 9 are mystery books, what percent of the books on your bookshelf are mystery books?
  
  
  
  
  
  
  
  
  
  
13. Five percent of Ireland's total area is forest and woodland. The total area of Ireland is 70,280 square kilometers. How many square kilometers of Ireland's area are forest and woodland?
  
  
  
  
  
  
  
  
  
  
14. Forty-five percent of the trees in a park are maple trees. There are 27 maple trees in the park. How many trees are in the park in all?
  
  
  
  
  
  
  
  
  
  
15. 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?

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16. You and your friend are selling tickets for the orchestra concert. On Thursday, you sold 15 tickets and your friend sold 10 tickets.

a. What percent of the tickets sold on Thursday did you sell?

b. On Friday, you sold 9 tickets and your friend sold 16 tickets. What percent of the tickets sold on Friday did you sell?

c. What percent of the total tickets sold on Thursday and Friday did you sell?

**Write and solve a proportion to answer the question.**

17.  $\frac{7}{8}$  is 70% of what number?

18. 7.2 is 250% of what number?

19. What number is 72% of  $\frac{3}{8}$ ?

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20. 1.4 is what percent of 1.12?

21. You earn a score of 86.8 on a standardized exam. Your score is 140% higher than your friend's score on the standardized exam. What is your friend's score?