

Practice 3-7

Example Exercises

Example 1

Model with an equation and solve.

1. What is 20% of 120?
2. What is 75% of 60?
3. What is 150% of 8?
4. What is 10.5% of 460?
5. What is 9% of 1000?
6. What is 5% of 180?
7. Suppose you are reading a book. You have read 40% of the book. If the book has 780 pages, how many pages have you read?
8. Kelli has decided to save 15% of her monthly income. If her monthly income is \$2450, how much will she save?

Example 2

Model with an equation and solve.

9. 12% of what is 15?
10. 200% of what is 36?
11. 145% of what is 174?
12. 60% of what is 24?
13. 35.5% of what is 92.3?
14. 75% of what is 36?
15. Three students in the class received an A on a test. The three students represents 15% of the class. How many students are in the class?
16. Suppose 12% of the students are involved in drama. If 66 students are in drama, how many students are in the school?

Example 3

Model with an equation and solve.

17. What percent of 50 is 36?
18. What percent of 12 is 18?
19. What percent of 320 is 8?
20. What percent of 24 is 90?
21. What percent of 30 is 54?
22. What percent of 12 is 6.6?
23. Hans is required to make 50 sales per month. This month he has made 62 sales. What percent of the requirement has he fulfilled?

Example 4

Model using the equation $I = prt$ and solve.

24. You invest \$700 for three years. Find the amount of simple interest you earn at an annual rate of 5%.
25. You invested \$500 at a interest rate of 4.5%. How many years would it take to earn \$90 in interest?