Practice 3-7
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Mixed Exercises

Model with an equation and solve.

1. 25% of what is 28?
2. What percent of 72 is 18?
3. 60% of what is 45?

4. What percent of 12 is 6?
5. What is 60% of 12?
6. 75% of what is 48?

7. What is 20% of 650?
8. What percent of 150 is 90?
9. What percent of 90 is 63?

10. What is 38% of 60?
11. 22.5% of what is 42?
12. 45% of what is 99?

13. What percent of 210 is 10.5?
14. 160% of what is 124?
15. What is 39% of 1500?

16. What is 250% of 14?
17. What percent of 20 is 36?
18. What is 8.25% of 160?

Model with an equation and solve.

19. Pablo has a goal to lose 25 lb. He has lost 16 lb. What percent of his goal has he reached?

20. You spent 16% of your vacation money on food. If you spent $48 on food, how much money did you spend on your vacation?

21. A writer earns $3400 a month. Last month she spent $204 on food. What percent of her income was spent on food?

22. Kiko spends 30% of her monthly income on rent. If she pays $810 for rent each month, what is her monthly income?

23. Suppose that 62.5% of freshmen entering a college graduate from it. If there are 2680 freshmen, how many will graduate from that college?

The formula for determining simple interest is $I = prt$. Using this formula, solve the following problems.

24. You invest $1500 for three years. Find the amount of simple interest you earn at an annual rate of 8.25%.

25. Suppose you invested $1200 for four years. You earned $312 in simple interest. What is the interest rate?

26. Suppose you invested some money at 8% simple interest for five years. If you received $500 in interest, how much money did you invest?

Model with an equation and solve.

27. What is 7% of 480?
28. What percent of 80 is 48?
29. 90% of what is 27?

30. What is 150% of 26?
31. 125% of what is 175?
32. What is 10.25% of 280?

33. What is 35% of 360?
34. What percent of 36 is 9?
35. 75% of what is 90?

36. 45% of what is 36?
37. What is 80% of 120?
38. What percent of 20 is 8?

39. 25% of what is 92?
40. What percent of 30 is 90?
41. What is 39% of 800?

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