

Practice 5-3

Solving Percent Problems Using Equations

Write and solve an equation. Round answers to the nearest tenth.

1. What percent of 64 is 48?

2. 16% of 130 is what number?

3. 25% of what number is 24?

4. What percent of 18 is 12?

5. 48% of 83 is what number?

6. 40% of what number is 136?

7. What percent of 530 is 107?

8. 74% of 643 is what number?

9. 62% of what number is 84?

10. What percent of 84 is 50?

11. 37% of 245 is what number?

12. 12% of what number is 105?

Solve.

13. A cafe offers senior citizens a 15% discount off its regular price of \$8.95 for the dinner buffet.

a. What percent of the regular price is the price for senior citizens? _____

b. What is the price for senior citizens? _____

14. According to a recent government study, the average 15-year-old male gets 11.4% of his daily caloric intake from sugar drinks.

If that 15-year-old consumes 2,400 calories each day, how many calories come from sugar drinks? _____