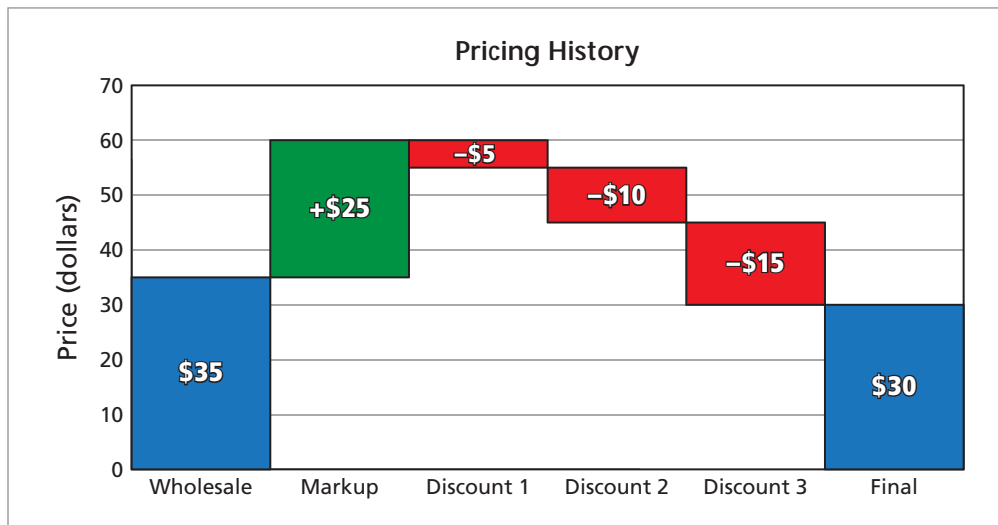## Section 2.2

Waffle Maker The waterfall graph shows the pricing history of waffle makers at an appliance outlet. In Exercises 9–16, use the waterfall graph.

Pricing History

9. Find the initial retail price.

10. Find the initial markup percent.

11. Find the total discount.

DATA 12. You work at the outlet. You order 50 waffle makers at the wholesale price of $35 each. During the next 6 months, you repeatedly mark down the price until you finally sell all 50 waffle makers. Use the sales record below to find the average markup percent.

- 20 sold at initial retail price
- 10 sold at the second discount
- 14 sold at the first discount
- 6 sold at the third discount

13. What is the discount percent on the initial retail price after the second discount?

14. When you apply the third discount, the outlet advertises a 50% discount.
   a. Did the outlet use the initial retail price or the price after the second discount to calculate the discount percent? Explain your reasoning.
   b. Suppose the outlet had used the other price in part (a). What is the discount percent?

15. You get an employee discount of 10% off any item. You buy a waffle maker after the first discount. How much do you pay?

16. You get an employee discount of 50% off any item.
   a. What is the final price when you apply the first discount and then apply the employee discount?
   b. What is the final price when you apply the employee discount and then apply the first discount?