6th Grade Unit 4: Lesson 21-2

Check Your Understanding (p. 267):

8. $292.05
9. a. $80
   b. $170
   c. Since $1 - 0.32 = 0.68$, you could find 68% of $250.
10. $500
11. This is how stores make a profit. If they did not mark up the price, they could not pay their rent or employees, and they would not make any money.

Lesson 21-2 Practice (p. 267):

12. 120.96
13. Check students' drawings. Sample answer: Since 60% of 15 is 9, 9 of the figures should be shaded.
14. 14
15. 51; $\frac{85}{100} = \frac{x}{60}$, $100x = 5,100$, $x = 51$
16. Round 398 up to 400 students and 52% down to 50%. Since 50% is a benchmark percent, find one-half of 400 to get about 200 students who said they loved music.
17. A $1,000 computer discounted 30%. To find the discount, subtract the discount from 100%. Then multiply the original cost by the difference. The $1,000 computer discounted 20% and then an additional 10% costs $80\% \times \$1,000 = \$800$, and $90\% \times \$800 = \$720$. The $1,000 computer discounted 30% costs $70\% \times \$1,000 = \$700$.