

**Practice**

For use with pages 351-356

**Find the percent of increase or decrease.****1.** Original: 400  
New: 552**2.** Original: 800  
New: 1216**3.** Original: 1100  
New: 1969**4.** Original: 1700  
New: 3094**5.** Original: 475  
New: 589**6.** Original: 175  
New: 259**7.** Original: 600  
New: 174**8.** Original: 240  
New: 156**9.** Original: 4500  
New: 4005**10.** Original: 900  
New: 324**11.** Original: 650  
New: 91**12.** Original: 1460  
New: 657**Find the new amount.****13.** Increase 300 by 54%.**14.** Increase 2850 by 18%.**15.** Increase 1425 by 4%.**16.** Decrease 280 by 95%.**17.** Decrease 225 by 68%.**18.** Decrease 700 by 49%.

**Practice**

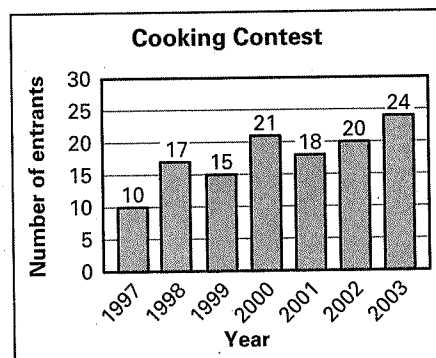
For use with pages 351–356

19. Last year, 12,500 people participated in a charity 10K walk. This year, 14,000 people participated in the walk. By what percent did the number of participants change from last year to this year?
20. In 1991, sporting good stores sold about \$15 billion in merchandise. In 2001, sporting good stores sold about \$28 billion in merchandise. Find the percent of change from 1991 to 2001.
21. An antique ceramic pitcher is being sold at an online auction. The minimum bid is \$125. At the end of the auction, the pitcher is sold for 288% above the minimum bid. What is the selling price of the pitcher?
22. The bar graph shows the number of entrants in an annual cooking contest from 1997 through 2003.

a. Find the percent of change from 1997 to 1999.

b. Find the percent of change from 1999 to 2003.

c. Find the percent of change from 1997 to 2003.



**7.6****Practice**

For use with pages 357–361

**In Exercises 1–6, use the given information to find the new price.**

1. Wholesale price: \$5  
Markup percent: 125%
2. Wholesale price: \$92  
Markup percent: 45%
3. Wholesale price: \$210  
Markup percent: 30%
4. Original price: \$33  
Discount percent: 20%
5. Original price: \$76  
Discount percent: 35%
6. Original price: \$106  
Discount percent: 70%
7. A video game is on sale for 15% off the retail price of \$45. A store is having a sale on all video games, providing an additional 20% off of all sale prices. What is the new sale price of the video game?

**In Exercises 8–15, use the given information to find the total cost.**

8. Original price: \$16  
Sales tax: 6%
9. Original price: \$28  
Sales tax: 4.5%
10. Original price: \$49  
Sales tax: 7%
11. Original price: \$82  
Sales tax: 5.5%
12. Food bill: \$55  
Sales tax: 8%  
Tip: 18%
13. Food bill: \$68  
Sales tax: 3%  
Tip: 20%

**7.6**

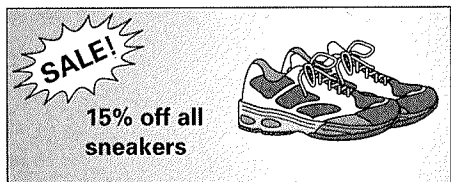
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**Practice**

For use with pages 357–361

- 14.** Food bill: \$80.40  
Sales tax: 5%  
Tip: 10%
- 15.** Food bill: \$30  
Sales tax: 5.5%  
Tip: 15%

- 16.** A shoe store is having a sale on sneakers. You want to buy a pair of sneakers that originally cost \$75. The sales tax is 4% and it will be applied to the sale price of the sneakers. What is the total cost of the sneakers?



- 17.** The food bill for your breakfast is \$16.85. You leave a 10% tip. The sales tax is 5%. What is the total cost, to the nearest cent, of your meal?

**In Exercises 18–21, use the given information to find the original price.**

- 18.** Retail price: \$99  
Markup percent: 80%
- 19.** Retail price: \$67.60  
Markup percent: 150%
- 20.** Sale price: \$32.45  
Discount percent: 45%
- 21.** Sale price: \$48.79  
Discount percent: 15%