

**MOUNTAIN BIKES** For Exercises 27–30, use the information below and at the right.

A mountain bike has a regular price of \$575.

27. Suppose Antonio lives in Mississippi. What is the total cost of the bike including tax?
28. If the mountain bike is on sale with a 25% discount, how much will Antonio pay for the bike, including tax?
29. Before 8 A.M., the bike will be discounted an additional 15% off the already discounted price. What will be the sale price, not including tax?
30. **RESEARCH** Use the Internet or another source to find the current tax rates of the states listed in the table or of other states. Find the cost of the bike including tax in one of these states.
31. **PROFIT** To make a profit, stores sell items for more than they paid. The increase in price is called the *markup*. Suppose Sports Galore purchases tennis racquets for \$45 each. Find the markup price if the racquets are sold for 28% over the price paid for them.
32. **CRITICAL THINKING** Find the total percent of change on the price of an item if it is 15% off and the sales tax is 5%. Does it matter in which order the discount and the sales tax are applied? Explain.

| State       | 2004 Sales Tax Rate |
|-------------|---------------------|
| Arkansas    | 6%                  |
| Illinois    | 6.25%               |
| Mississippi | 7%                  |
| New York    | 4.25%               |

Source: www.salestaxinstitute.com

## Spiral Review with Standardized Test Practice

33. **MULTIPLE CHOICE** A T-shirt at the mall costs \$14.95. It is on sale for 30% off. What is the sale price to the nearest cent?

(A) \$4.49      (B) \$10.47      (C) \$10.50      (D) \$10.65

34. **SHORT RESPONSE** All of a department store's jackets are 20% off. To the nearest cent, what is the total cost of a jacket if the original price is \$74.99 and the sales tax is  $8\frac{1}{2}\%$ ?

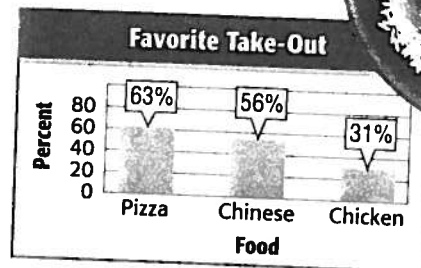
Find each percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an *increase* or *decrease*.

35. original: 4  
new: 6

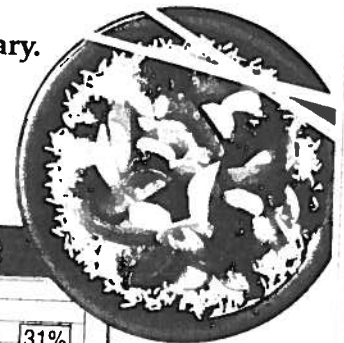
36. original: \$556  
new: \$500

37. original: 20.5  
new: 35.5

38. **FOOD** The graph shows the results of a survey in which magazine readers were asked to name their favorite take-out foods. Predict how many out of 5,000 readers would choose Chinese food as one of their favorite take-out foods.



Source: Bon Appetit



## GETTING READY FOR THE NEXT LESSON

**ESSENTIAL SKILL** Multiply.

39.  $790 \cdot 0.185 \cdot 2$

40.  $45 \cdot 0.04 \cdot 9$

41.  $600 \cdot 0.03 \cdot 5\frac{1}{2}$

42.  $162 \cdot 0.25 \cdot 3\frac{1}{2}$