

Percent of Increase and Decrease

1. A new bridge reduced the normal 45-minute travel time between two cities by 18 minutes. What percent decrease does this represent?
2. By installing energy-saving equipment, the Pala Rey Youth Camp reduced its normal \$800-per-month utility bill by \$320. What percent decrease does this amount represent?
3. Because of an improved traffic pattern at a sports stadium, the average amount of time a fan waits to park decreased from 3.5 minutes to 2.8 minutes. What percent decrease does this amount represent?
4. One configuration of the Boeing 777-300 has a seating capacity of 394. This is 26 more than that of the corresponding 777-200 jet. What is the percent decrease in capacity from the 777-300 to the 777-200 model?
5. The price of a new model camera dropped from \$450 to \$396 in 10 months. What percent decrease does this represent?
6. Because of a decrease in demand for super-8 video cameras, Kit-s Cameras reduced the orders for these models from 20 per month to 8 per month. What percent decrease does this amount represent?
7. An automobile manufacturer increased the average mileage on a car from 17.5 miles per gallon to 18.2 miles per gallon. Find the percent increase in mileage.
8. In the 1990s, the number of Target stores increased from 420 stores to 914 stores. What was the percent increase in the number of Target stores in the 1990s?
9. In 1924, the number of events in the Winter Olympics was 14. The 2002 Winter Olympics in Salt Lake City included 78 medal events. Find the percent increase in the number of events in the Winter Olympics from 1924 to 2002.
10. The value of a \$3000 investment increased \$750. What percent increase does this represent?