

Pretest

Use the percent proportion or percent equation to solve each problem.

1. 30 is 40% of what number? 1. _____
2. What percent of 50 is 36? 2. _____
3. What is 15% of 28? 3. _____
4. 16 is 25% of what number? 4. _____
5. What fraction would you use to find $33\frac{1}{3}\%$ of 51 mentally? 5. _____
6. Nine out of 43 campers at a summer camp prefer swimming more than any other activity. What percent of campers prefer swimming? Round your answer to the nearest tenth. 6. _____

Solve each problem.

7. An LCD television is on sale for \$500. This price is 75% of its original price. What was the original price of the television? 7. _____
8. A computer mouse costs \$29. If a 6.25% sales tax is added, what is the total cost? 8. _____
9. Find the percent of change from 24°F to 39°F . Then state whether the percent of change is an *increase* or a *decrease*. 9. _____
10. Manuel purchases a suit for \$130. Sales tax is 7% on all purchases. How much sales tax does Manuel pay? 10. _____
11. A pair of roller blades has an original price of \$260. The roller blades are on sale for 55% off the original price. Find the sale price of the roller blades. 11. _____
12. Find the selling price if a store pays \$48 for a painting and the markup is 65%. 12. _____
13. Eli borrowed \$9,500 to buy a jet ski. He will pay \$218 each month for the next 48 months. Find the simple interest rate for his loan, to the nearest tenth of a percent. 13. _____