

Identify the percent of change as an *increase* or a *decrease*. Then find the percent of change. Round to the nearest tenth of a percent if necessary. (Section 6.5)

- 8 inches to 24 inches
- 300 miles to 210 miles

Find the original price, discount, sale price, or selling price. (Section 6.6)

- Original price: \$30
Discount: 10%
Sale price: ?
- Original price: \$55
Discount: ?
Sale price: \$46.75
- Original price: ?
Discount: 75%
Sale price: \$74.75
- Cost to store: \$152
Markup: 50%
Selling price: ?

An account earns simple interest. Find the interest earned, principal, interest rate, or time. (Section 6.7)

- Interest earned: ?
Principal: \$1200
Interest rate: 2%
Time: 5 years
- Interest earned: \$25
Principal: \$500
Interest rate: 5%
Time: ?
- Interest earned: \$76
Principal: \$800
Interest rate: ?
Time: 2 years
- Interest earned: \$119.88
Principal: ?
Interest rate: 3.6%
Time: 3 years

11. **HEIGHT** You estimate that your friend is 50 inches tall. The actual height of your friend is 54 inches. Find the percent error. (Section 6.5)

12. **DIGITAL CAMERA** A digital camera costs \$230. The camera is on sale for 30% off, and you have a coupon for an additional 15% off the sale price. What is the final price? (Section 6.6)

13. **WATER SKIS** The original price of the water skis was \$200. What is the percent of discount? (Section 6.6)



2 Ways to Own:

- \$75 cash back with 3.5% simple interest
- No interest for 2 years



14. **SAXOPHONE** A saxophone costs \$1200. A store offers two loan options. Which option saves more money if you pay the loan in 2 years? (Section 6.7)

15. **LOAN** You borrow \$200. The simple interest rate is 12%. You pay off the loan after 2 years. How much do you pay for the loan? (Section 6.7)