

Math 7 - 6-3C, 6-3D, 6-3E Homework Practice: Tax, Tip, Discount, Simple Interest**6-3C: Sales Tax and Tips****Find the total cost to the nearest cent.**

1. \$18.00 breakfast; 7% tax
2. \$24 lunch; 15% tip
3. \$75 dinner; 9% tax, 18% tip
4. \$185 DVD player; 6% tax
5. \$20 haircut; 6.5% tax, 10% tip
6. **MEAL** Enrique took his family out for dinner. He planned to leave a 15% gratuity on the bill. What is the total cost if the bill was \$123.50?
7. **TRUCKS** What is the sales tax on a \$17,500 truck if the tax rate is 6%?
8. **COMPUTER** Lionel is buying a computer that normally sells for \$890. The state sales tax rate is 6%. What is the total cost of the computer including sales tax?

6-3D: Discount**Find the sale price to the nearest cent.**

9. \$239 television; 10% discount
10. \$18.95 football; 15% discount
11. \$149 MP3 player; 40% discount
12. \$595 refrigerator; 20% discount; 8% tax
13. \$119 croquet set; 50% discount; 7.5% tax
14. **RADIO** A radio is on sale for \$50. If this price represents a 10% discount from the original price, what is the original price to the nearest nickel?

15. **LAUNDRY DETERGENT** A box of laundry detergent is on sale for \$6.50. If this price represents a 40% discount from the original price, what is the original price to the nearest cent?

16. **BASKETBALL** Find the price of a \$35 basketball that is on sale for 50% off the regular price.

6-3E: Financial Literacy: Simple Interest**Find the simple interest earned to the nearest cent for each principal/loan, interest rate, and time.**

17. \$750; 7%; 3 years
18. \$1,200; 3.5%; 2 years
19. \$450; 5%; 4 months
20. \$668; 5%; 2 years
21. \$720; 4.25%; 3 months
22. \$2,500; 6.9%; 18 months
23. **ELECTRONICS** Rita charged \$126 for a DVD player at an interest rate of 15.9%. How much will Rita have to pay after 2 months if she makes no payments?
24. **VACATION** A family invests \$1,050 for a vacation at an interest rate of 11.9%. After 6 months, what is the total amount that the family has saved for the vacation?
25. **INVESTMENTS** Serena has \$2,500 to invest in a CD (certificate of deposit).
 - a. If Serena invests the \$2,500 in the CD that yields 4% interest, what will the CD be worth after 2 years?
 - b. Serena would like to have \$3,000 altogether. If the interest rate is 5%, in how many years will she have \$3,000?
 - c. Suppose Serena invests the \$2,500 for 3 years and earns \$255. What was the rate of interest?