

**5-9 Skills Practice: *Simple Interest*****1. Find the simple interest to the nearest cent.**

a. \$350 at 5% for 4 years

b. \$750 at 6.5% for 3 years

c. \$925 at 4.75% for 3 months

d. \$2,050 at 7.65% for 36 months

e. \$1,000 at  $5\frac{1}{2}\%$  for 18 monthsf. \$8,500 at  $10\frac{3}{8}\%$  for  $2\frac{1}{2}$  years**2. Find the total amount in each account to the nearest cent, assuming simple interest.**

a. \$1,500 at 6% for 5 years

b. \$4,010 at 5.2% for 4 years

c. \$925 at 7.25% for 6 months

d. \$850 at 8.38% for 8 months

e. \$16,000 at  $3\frac{1}{4}\%$  for 42 monthsf. \$3,200 at  $6\frac{2}{3}\%$  for  $5\frac{1}{2}$  years

3. **COINS:** The value of a rare coin increased in value from \$350 to \$420 in only 6 months. Find the simple interest rate for the value of the coin.
  
4. **HOUSING:** Mrs. Landry bought a house for \$35,000 in 1975. She sold the house for \$161,000 in 2005. Find the simple interest rate for the value of the house.
  
5. **CARS:** Brent's older brother took out a 4-year loan for \$16,000 to buy a car. If the simple interest rate was 8%, how much total will he pay for the car including interest?
  
6. **MORTGAGE:** The Fongs need to borrow \$200,000 to purchase a home. A local bank is offering a 20-year mortgage at 6.75% interest, while an online lender is offering a 30-year mortgage at 5.25% interest. Assuming simple interest, which loan will result in the lower interest?