

Use compound interest to solve the following.

1. How much interest is earned on \$710 at 5% compounded annually for four years?  
\$153.01
2. Your final balance on an investment of \$360 invested at 6% compounded annually was \$454.49. For what period of time did you invest?  
four years
3. If a principal of \$996 was invested at a rate of 10% compounded annually and terminates with a balance of \$1,764.47, how long was the money invested for?  
six years
4. The cost of a loan for \$757 over two years is \$109.69 compounded annually. What was the rate on the loan?  
7%
5. At what rate was an investment made that obtains \$303.34 in interest compounded annually on \$976 over four years?  
7%
6. You invested \$490 and after six years the total amount of the investment was \$777.57. What was the interest rate if it was compounded annually?  
8%
7. If a principal of \$900 was invested at a rate of 3% compounded annually and terminates with a balance of \$1,106.89, how long was the money invested for?  
seven years
8. You take out a loan for \$478 at an interest rate of 8% compounded annually for one year. What is the total amount that you will have at the end of the one year?  
\$516.24
9. The cost of a loan for \$422 over three years is \$39.13 compounded annually. What was the rate on the loan?  
3%
10. The ending balance on an investment is \$982.28. If the principal was invested at 10% compounded annually for three years, what was the principal?  
\$738