

Use compound interest to solve the following.

1. If you take out a loan that costs \$63.39 over five years at an interest rate of 3% compounded annually, how much was the loan for?  
\$398
2. What was the interest rate if your balance on an investment of \$162 at the end of seven years is \$315.69 and the interest was compounded annually?  
10%
3. If a loan is taken out for \$518 at 7% compounded annually and costs \$75.06, how long was the loan for?  
two years
4. If you put \$136 into a savings account that earns 6% compounded annually, how much interest will you receive at the end of six years?  
\$56.92
5. If you borrow \$106 for nine years at an interest rate of 6% compounded annually, how much interest will you pay?  
\$73.08
6. You take out a loan for \$780 at an interest rate of 8% compounded annually for six years. What is the total amount that you will have at the end of the six years?  
\$1,237.76
7. What will the final balance be for \$924 invested at 4% compounded annually for three years?  
\$1,039.37
8. If you take out a loan that costs \$51.47 over four years at an interest rate of 4% compounded annually, how much was the loan for?  
\$303
9. If you take out a loan that costs \$223.87 over five years at an interest rate of 8% compounded annually, how much was the loan for?  
\$477
10. How much interest is earned on \$456 at 6% compounded annually for five years?  
\$154.23