

Use compound interest to solve the following.

1. The ending balance on an investment is \$248.29. If the principal was invested at 3% compounded annually for eight years, what was the principal?

\$196

2. You put \$634 into an investment at 6% compounded annually for six years. What will the balance be at the end of six years?

\$899.34

3. If a principal of \$779 was invested at a rate of 6% compounded annually and terminates with a balance of \$1,105.03, how long was the money invested for?

six years

4. If you put money into a savings account that earns \$249.24 over seven years at a rate of 9% compounded annually, how much money did you put into the account?

\$301

5. If a principal of \$392 was invested at a rate of 7% compounded annually and terminates with a balance of \$513.83, how long was the money invested for?

four years

6. What is the interest rate if a principal of \$602 earns \$95.88 in interest compounded annually in five years?

3%

7. You take out a loan for \$702 at an interest rate of 6% compounded annually for one year. What is the total amount that you will have at the end of the one year?

\$744.12

8. If you borrow \$308 for one year at an interest rate of 6% compounded annually, how much interest will you pay?

\$18.48

9. What is the interest rate if a principal of \$892 earns \$523.49 in interest compounded annually in six years?

8%

10. How much interest is earned on a principal of \$316 invested at an interest rate of 9% compounded annually for four years?

\$130.06
