



Name \_\_\_\_\_

# Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:

NOTE: Interest Compounded Annually

1. If you borrow \$884 for six years at an interest rate of 4% compounded annually, how much interest will you pay?
2. What is the interest rate if a principal of \$859 earns \$266.97 in interest compounded annually in four years?
3. You take out a loan for \$145 at an interest rate of 7% compounded annually for six years. What is the total amount that you will have at the end of the six years?
4. What was the interest rate if your balance on an investment of \$612 at the end of eight years is \$975.44 and the interest was compounded annually?
5. If you put \$173 into a savings account that earns 8% compounded annually, how much interest will you receive at the end of six years?
6. If an investment over five years at a rate of 9% compounded annually results in a final balance of \$832.40, what was the original investment?
7. If you borrow \$891 for eight years at an interest rate of 6% compounded annually, how much interest will you pay?
8. If you put \$411 in a savings account that pays 9% compounded annually for six years what is the amount of money you will have at the end of the six years?
9. If you put \$821 into a savings account and after five years the balance is \$1,098.68, what was the interest rate if it was compounded annually?
10. You invested \$522 and after seven years the total amount of the investment was \$954.24. What was the interest rate if it was compounded annually?



# Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:

NOTE: Interest Compounded Annually

1. If you borrow \$884 for six years at an interest rate of 4% compounded annually, how much interest will you pay?

\$234.54

2. What is the interest rate if a principal of \$859 earns \$266.97 in interest compounded annually in four years?

7%

3. You take out a loan for \$145 at an interest rate of 7% compounded annually for six years. What is the total amount that you will have at the end of the six years?

\$217.61

4. What was the interest rate if your balance on an investment of \$612 at the end of eight years is \$975.44 and the interest was compounded annually?

6%

5. If you put \$173 into a savings account that earns 8% compounded annually, how much interest will you receive at the end of six years?

\$101.53

6. If an investment over five years at a rate of 9% compounded annually results in a final balance of \$832.40, what was the original investment?

\$541

7. If you borrow \$891 for eight years at an interest rate of 6% compounded annually, how much interest will you pay?

\$529.12

8. If you put \$411 in a savings account that pays 9% compounded annually for six years what is the amount of money you will have at the end of the six years?

\$689.29

9. If you put \$821 into a savings account and after five years the balance is \$1,098.68, what was the interest rate if it was compounded annually?

6%

10. You invested \$522 and after seven years the total amount of the investment was \$954.24. What was the interest rate if it was compounded annually?

9%