



Name _____

Compound Interest

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

NOTE: Interest Compounded Quarterly

1. How much principal must be invested to earn \$106.85 in six years at an interest rate of 3% compounded quarterly?
2. If you put \$955 into a savings account and after four years the balance is \$1,076.28, what was the interest rate if it was compounded quarterly?
3. The cost of a loan for \$599 over nine years is \$622.89 compounded quarterly. What was the rate on the loan?
4. How much interest is earned on a principal of \$841 invested at an interest rate of 10% compounded quarterly for five years?
5. You put \$679 into a savings account with an interest rate of 10% compounded quarterly which earns \$234.18 over a period of time. How long was the period of time?
6. If you invest \$921 at an interest rate of 7% compounded quarterly, how much money will you have after one year?
7. How much interest is earned on a principal of \$222 invested at an interest rate of 9% compounded quarterly for one year?
8. If you borrow \$881 for one year at an interest rate of 5% compounded quarterly, how much interest will you pay?
9. If you borrow \$402 for one year at an interest rate of 4% compounded quarterly, how much interest will you pay?
10. If the balance at the end of one year on an investment of \$363 that has been invested at a rate of 7% compounded quarterly is \$389.08, how much was the interest?



Name _____

Compound Interest

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

NOTE: Interest Compounded Quarterly

1. How much principal must be invested to earn \$106.85 in six years at an interest rate of 3% compounded quarterly?
\$544
2. If you put \$955 into a savings account and after four years the balance is \$1,076.28, what was the interest rate if it was compounded quarterly?
3%
3. The cost of a loan for \$599 over nine years is \$622.89 compounded quarterly. What was the rate on the loan?
8%
4. How much interest is earned on a principal of \$841 invested at an interest rate of 10% compounded quarterly for five years?
\$537.08
5. You put \$679 into a savings account with an interest rate of 10% compounded quarterly which earns \$234.18 over a period of time. How long was the period of time?
three years
6. If you invest \$921 at an interest rate of 7% compounded quarterly, how much money will you have after one year?
\$987.18
7. How much interest is earned on a principal of \$222 invested at an interest rate of 9% compounded quarterly for one year?
\$20.66
8. If you borrow \$881 for one year at an interest rate of 5% compounded quarterly, how much interest will you pay?
\$44.88
9. If you borrow \$402 for one year at an interest rate of 4% compounded quarterly, how much interest will you pay?
\$16.32
10. If the balance at the end of one year on an investment of \$363 that has been invested at a rate of 7% compounded quarterly is \$389.08, how much was the interest?
\$26.08