



Name _____

Compound Interest

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

NOTE: Interest Compounded Quarterly

1. If you borrow \$298 for six years at an interest rate of 6% compounded quarterly, how much interest will you pay?
2. If you received \$115.34 on \$592 invested at a rate of 9% compounded quarterly, for how long did you invest the principal?
3. If a loan is taken out for \$489 at 3% compounded quarterly and costs \$96.05, how long was the loan for?
4. How much principal must be invested to earn \$66.29 in four years at an interest rate of 3% compounded quarterly?
5. \$398.97 is earned on funds invested at a rate of 9% compounded quarterly over four years. What was the amount of the original investment?
6. If a loan is taken out for \$697 at 7% compounded quarterly and costs \$161.31, how long was the loan for?
7. If you put \$610 into a savings account that earns 9% compounded quarterly, how much interest will you receive at the end of one year?
8. At what rate was an investment made that obtains \$48.11 in interest compounded quarterly on \$781 over two years?
9. If an investment over six years at a rate of 7% compounded quarterly results in a final balance of \$1,225.29, what was the original investment?
10. Your final balance on an investment of \$496 invested at 8% compounded quarterly was \$629.05. For what period of time did you invest?



Compound Interest

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

NOTE: Interest Compounded Quarterly

1. If you borrow \$298 for six years at an interest rate of 6% compounded quarterly, how much interest will you pay?
\$127.99
2. If you received \$115.34 on \$592 invested at a rate of 9% compounded quarterly, for how long did you invest the principal?
two years
3. If a loan is taken out for \$489 at 3% compounded quarterly and costs \$96.05, how long was the loan for?
six years
4. How much principal must be invested to earn \$66.29 in four years at an interest rate of 3% compounded quarterly?
\$522
5. \$398.97 is earned on funds invested at a rate of 9% compounded quarterly over four years. What was the amount of the original investment?
\$933
6. If a loan is taken out for \$697 at 7% compounded quarterly and costs \$161.31, how long was the loan for?
three years
7. If you put \$610 into a savings account that earns 9% compounded quarterly, how much interest will you receive at the end of one year?
\$56.78
8. At what rate was an investment made that obtains \$48.11 in interest compounded quarterly on \$781 over two years?
3%
9. If an investment over six years at a rate of 7% compounded quarterly results in a final balance of \$1,225.29, what was the original investment?
\$808
10. Your final balance on an investment of \$496 invested at 8% compounded quarterly was \$629.05. For what period of time did you invest?
three years