



Name _____

Compound Interest

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

NOTE: Interest Compounded Quarterly

1. What will the final balance be for \$870 invested at 4% compounded quarterly for four years?
2. If an investment over seven years at a rate of 3% compounded quarterly results in a final balance of \$795.10, what was the original investment?
3. How long must \$196 be invested at a rate of 8% compounded quarterly to earn \$95.25 in interest?
4. At what rate was an investment made that obtains \$227.21 in interest compounded quarterly on \$529 over six years?
5. If you take out a loan that costs \$1,247.74 over nine years at an interest rate of 10% compounded quarterly, how much was the loan for?
6. If a principal of \$651 was invested at a rate of 10% compounded quarterly and terminates with a balance of \$1,434.65, how long was the money invested for?
7. If you borrow \$697 for three years at an interest rate of 3% compounded quarterly, how much interest will you pay?
8. The ending balance on an investment is \$190.30. If the principal was invested at 5% compounded quarterly for four years, what was the principal?
9. You put \$230 into an investment at 3% compounded quarterly for two years. What will the balance be at the end of two years?
10. If you borrow \$672 at 8% compounded quarterly for seven years, how much will you pay back by the end of the term?



Name _____

Compound Interest

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

NOTE: Interest Compounded Quarterly

1. What will the final balance be for \$870 invested at 4% compounded quarterly for four years?
\$1,020.14
2. If an investment over seven years at a rate of 3% compounded quarterly results in a final balance of \$795.10, what was the original investment?
\$645
3. How long must \$196 be invested at a rate of 8% compounded quarterly to earn \$95.25 in interest?
five years
4. At what rate was an investment made that obtains \$227.21 in interest compounded quarterly on \$529 over six years?
6%
5. If you take out a loan that costs \$1,247.74 over nine years at an interest rate of 10% compounded quarterly, how much was the loan for?
\$871
6. If a principal of \$651 was invested at a rate of 10% compounded quarterly and terminates with a balance of \$1,434.65, how long was the money invested for?
eight years
7. If you borrow \$697 for three years at an interest rate of 3% compounded quarterly, how much interest will you pay?
\$65.38
8. The ending balance on an investment is \$190.30. If the principal was invested at 5% compounded quarterly for four years, what was the principal?
\$156
9. You put \$230 into an investment at 3% compounded quarterly for two years. What will the balance be at the end of two years?
\$244.17
10. If you borrow \$672 at 8% compounded quarterly for seven years, how much will you pay back by the end of the term?
\$1,169.97