



Name \_\_\_\_\_

# Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:  
NOTE: Interest Compounded Semi Annually

1. If a principal of \$755 was invested at a rate of 7% compounded semiannually and terminates with a balance of \$866.38, how long was the money invested for?
2. How much interest does a \$567 investment earn at 10% compounded semiannually over three years?
3. At what rate was an investment made that obtains \$139.29 in interest compounded semiannually on \$525 over three years?
4. If the balance at the end of seven years on an investment of \$553 that has been invested at a rate of 10% compounded semiannually is \$1,094.90, how much was the interest?
5. If you invest \$742 at an interest rate of 6% compounded semiannually, how much money will you have after five years?
6. How much principal must be invested to earn \$335.75 in seven years at an interest rate of 6% compounded semiannually?
7. What was the interest rate if your balance on an investment of \$220 at the end of seven years is \$310.85 and the interest was compounded semiannually?
8. If you received \$6.88 on \$113 invested at a rate of 6% compounded semiannually, for how long did you invest the principal?
9. If a principal of \$473 was invested at a rate of 6% compounded semiannually and terminates with a balance of \$759.03, how long was the money invested for?
10. The ending balance on an investment is \$614.63. If the principal was invested at 7% compounded semiannually for three years, what was the principal?



# Compound Interest

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

NOTE: Interest Compounded Semi Annually

1. If a principal of \$755 was invested at a rate of 7% compounded semiannually and terminates with a balance of \$866.38, how long was the money invested for?  
**two years**
2. How much interest does a \$567 investment earn at 10% compounded semiannually over three years?  
**\$192.83**
3. At what rate was an investment made that obtains \$139.29 in interest compounded semiannually on \$525 over three years?  
**8%**
4. If the balance at the end of seven years on an investment of \$553 that has been invested at a rate of 10% compounded semiannually is \$1,094.90, how much was the interest?  
**\$541.90**
5. If you invest \$742 at an interest rate of 6% compounded semiannually, how much money will you have after five years?  
**\$997.19**
6. How much principal must be invested to earn \$335.75 in seven years at an interest rate of 6% compounded semiannually?  
**\$655**
7. What was the interest rate if your balance on an investment of \$220 at the end of seven years is \$310.85 and the interest was compounded semiannually?  
**5%**
8. If you received \$6.88 on \$113 invested at a rate of 6% compounded semiannually, for how long did you invest the principal?  
**one year**
9. If a principal of \$473 was invested at a rate of 6% compounded semiannually and terminates with a balance of \$759.03, how long was the money invested for?  
**eight years**
10. The ending balance on an investment is \$614.63. If the principal was invested at 7% compounded semiannually for three years, what was the principal?  
**\$500**