Compound Interest Worksheets

Calculate the total amount of the investment or total paid in a loan in the following situations:

1.) You invested $29,000 for 4 1/4 years at an interest rate of 11% compounded quarterly. What is your $29,000 worth after 4 1/4 years?

Answer:

2.) Your $780 investment sees interest at 7.5% which is compounded monthly for 7 years. What is your total investment worth plus interest after 7 years?

Answer:

3.) You borrowed $280 and were charged 7.6% interest that was compounded monthly for 7 years. What total payout will you have made after 7 years?

Answer:

4. The $10,000 you borrowed for your car cost you an interest rate of 5.6% compounded annually for 2 years, what did you pay for your car in total after 2 years?

Answer:

5. Your 3 and 1/2 year investment of $1,830 with interest of 14% which was compounded quarterly is worth how much after the 3 1/2 years?

Answer:

6.) You invested $1,020 for 2 years at a rate of 7.7% compounded annually. What is the investment worth after 2 years?

Answer:

7.) The $14,000 you borrowed for 2 years cost you 5% interest compounded semi annually. What total did you pay after 2 years?

Answer:

8. You invested $19,100 for 7 years at an interest rate of 10.6% compounded semi annually. What is your $19,100 worth after 7 years?

Answer:

9.) You invested $29,400 for 3 years at 2.9% compounded annually. After 3 years, how much is your $29,400 worth?

Answer:

10.) Your 3 year second mortgage of $47,400 at an interest rate of 8.3% compounded quarterly for 3 years cost you a total of______________ after 3 years.

Answer:

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*Calculate the total amount of the investment or total paid in a loan in the following situations:*

1. You invested $29,000 for 4 1/4 years at an interest rate of 11% compounded quarterly. What is your $29,000 worth after 4 1/4 years?
   Answer: $45,992.72

2. Your $780 investment sees interest at 7.5% which is compounded monthly for 7 years. What is your total investment plus interest after 7 years?
   Answer: $1,316.41

3. You borrowed $280 and were charged 7.6% interest that was compounded monthly for 7 years. What total payout will you have made after 7 years?
   Answer: $475.85

4. The $10,000 you borrowed for your car cost you an interest rate of 5.6% compounded annually for 2 years, what did you pay for your car in total after 2 years?
   Answer: $11,151.36

5. Your 3 and 1/2 year investment of $1,830 with interest of 14% which was compounded quarterly is worth how much after the 3 1/2 years?
   Answer: $2,962.21

6. You invested $1,020 for 2 years at a rate of 7.7% compounded annually. What is the investment worth after 2 years?
   Answer: $1,183.13

7. The $14,000 you borrowed for 2 years cost you 5% interest compounded semi annually for. What total did you pay after 2 years?
   Answer: $15,453.38

8. You invested $19,100 for 7 years at an interest rate of 10.6% compounded semi annually. What is your $19,100 worth after 7 years?
   Answer: $39,357.78

9. You invested $29,400 for 3 years at 2.9% compounded annually. After 3 years, how much is your $29,400 worth?
   Answer: $32,032.69

10. Your 3 year second mortgage of $47,400 at an interest rate of 8.3% compounded quarterly for 3 years cost you a total of___________ after 3 years.
    Answer: $60,647.23

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