

Name: _____

Date: _____

Class: _____

Teacher: _____



Compound Interest

Use compound interest to solve the following.

1. If the balance at the end of four years on an investment of \$665 that has been invested at a rate of 7% compounded weekly is \$879.72, how much was the interest?

2. If an investment over eight years at a rate of 4% compounded weekly results in a final balance of \$999.67, what was the original investment?

3. What will the final balance be for \$674 invested at 8% compounded weekly for nine years?

4. You put \$107 into an investment at 7% compounded weekly for nine years. What will the balance be at the end of nine years?

5. If you invest \$936 at an interest rate of 3% compounded weekly, how much money will you have after nine years?

6. If you put \$315 into a savings account and after eight years the balance is \$400.42, what was the interest rate if it was compounded weekly?

7. How much principal must be invested to earn \$52.75 in four years at an interest rate of 8% compounded weekly?

8. You put \$117 into a savings account with an interest rate of 8% compounded weekly which earns \$20.28 over a period of time. How long was the period of time?

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Compound Interest

Use compound interest to solve the following.

1. If you put \$394 in a savings account that pays 6% compounded daily for nine years what is the amount of money you will have at the end of the nine years?
\$676.08
2. \$192.16 is earned on funds invested at a rate of 9% compounded daily over seven years. What was the amount of the original investment?
\$219
3. If you received \$59.40 on \$219 invested at a rate of 4% compounded daily, for how long did you invest the principal?
six years
4. If you received \$170.13 on \$406 invested at a rate of 5% compounded daily, for how long did you invest the principal?
seven years
5. If you borrow \$957 for five years at an interest rate of 8% compounded daily, how much interest will you pay?
\$470.61
6. You put \$794 into a savings account with an interest rate of 8% compounded daily which earns \$489.10 over a period of time. How long was the period of time?
six years
7. If you put \$838 in a savings account that pays 3% compounded daily for eight years what is the amount of money you will have at the end of the eight years?
\$1,065.30
8. You put \$938 into an investment at 5% compounded daily for four years. What will the balance be at the end of four years?
\$1,145.66

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Compound Interest

Use compound interest to solve the following.

1. If the balance at the end of four years on an investment of \$665 that has been invested at a rate of 7% compounded weekly is \$879.72, how much was the interest?

\$214.72

2. If an investment over eight years at a rate of 4% compounded weekly results in a final balance of \$999.67, what was the original investment?

\$726

3. What will the final balance be for \$674 invested at 8% compounded weekly for nine years?

\$1,383.92

4. You put \$107 into an investment at 7% compounded weekly for nine years. What will the balance be at the end of nine years?

\$200.82

5. If you invest \$936 at an interest rate of 3% compounded weekly, how much money will you have after nine years?

\$1,226.03

6. If you put \$315 into a savings account and after eight years the balance is \$400.42, what was the interest rate if it was compounded weekly?

3%

7. How much principal must be invested to earn \$52.75 in four years at an interest rate of 8% compounded weekly?

\$140

8. You put \$117 into a savings account with an interest rate of 8% compounded weekly which earns \$20.28 over a period of time. How long was the period of time?

two years