

# Compound Interest Worksheets

Name \_\_\_\_\_

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

1.) Your 3 year investment of \$20,000 received 5.2% interest compounded semi annually. What is your total return?

Answer:

2.) You borrowed \$59,000 for 2 years at 11% which was compounded annually. What total will you pay back?

Answer:

3.) Your allowance of \$190 got 11% compounded monthly for  $1\frac{2}{3}$  years. What's it worth after the  $1\frac{2}{3}$  years?

Answer:

4.) Your  $6\frac{1}{4}$  year investment of \$40,000 at 14% compounded quarterly is worth how much now?

Answer:

5.) You borrowed \$1,690 for  $5\frac{1}{2}$  years at 5.7% compounded semi annually. What total will you pay back?

Answer:

6.) Your \$440 gets 5.8% compounded annually for 8 years. What will your \$440 be worth in 8 years?

Answer:

7.) Your \$54,200 2 year car loan is at 15.1% compounded annually. What will you have paid for your car after 2 years?

Answer:

8.) You invest \$55 at 10% compounded annually for 3 years. How much will your investment be worth in 3 years?

Answer:

9.) Your 8 year loan of \$12,200 is at 5.3% compounded annually. How much will you have paid in total for your loan?

Answer:

10.) You invest \$1,900 at 4% and it's compounded semi annually for 3 years. How much will your \$1,900 be worth in 3 years?

Answer:

# Compound Interest Worksheets

Name \_\_\_\_\_

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

1.) Your 3 year investment of \$20,000 received 5.2% interest compounded semi annually. What is your total return?

Answer: \$23,329.97

2.) You borrowed \$59,000 for 2 years at 11% which was compounded annually. What total will you pay back?

Answer: \$72,693.90

3.) Your allowance of \$190 got 11% compounded monthly for  $1\frac{2}{3}$  years. What's it worth after the  $1\frac{2}{3}$  years?

Answer: \$228.04

4.) Your  $6\frac{1}{4}$  year investment of \$40,000 at 14% compounded quarterly is worth how much now?

Answer: \$94,529.80

5.) You borrowed \$1,690 for  $5\frac{1}{2}$  years at 5.7% compounded semi annually. What total will you pay back?

Answer: \$2,176.33

6.) Your \$440 gets 5.8% compounded annually for 8 years. What will your \$440 be worth in 8 years?

Answer: \$690.78

7.) Your \$54,200 2 year car loan is at 15.1% compounded annually. What will you have paid for your car after 2 years?

Answer: \$71,804.21

8.) You invest \$55 at 10% compounded annually for 3 years. How much will your investment be worth in 3 years?

Answer: \$73.21

9.) Your 8 year loan of \$12,200 is at 5.3% compounded annually. How much will you have paid in total for your loan?

Answer: \$18,441.10

10.) You invest \$1,900 at 4% and it's compounded semi annually for 3 years. How much will your \$1,900 be worth in 3 years?

Answer: \$2,139.71