

1



Joe collects coins. He has a coin worth \$2.50. If it increases in value at a rate of 9% per year, how much will it be worth in 20 years?

\$2,216.02

2

Joe also collects stamps. He purchased a \$1 stamp in 1985. It has steadily increased in value at a rate of 1.25% per year. How much is the stamp worth in 2012?



\$269.87

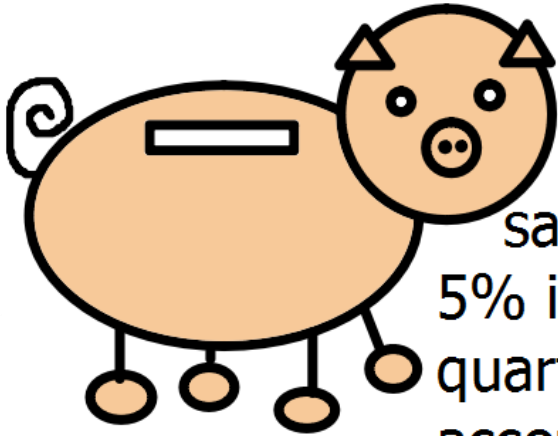
3

Dennis's house is worth \$50K. If it increases in value at a rate of 5% per year. What will it be worth in 12 years?



\$11.60

4



Dan invested \$500 in a savings account that earned 5% interest compounded quarterly. How much is in his account after 5 years?

\$14.01

5



Pauly placed \$500 in an IRA when he was 20. He predicts that it will increase in value by 6% per year. The IRA compounds quarterly. How much does he expect his IRA to be worth in 25 years?

\$13,024.74

6



Jim invested \$250 when he was 18. His investment earned 8.5% interest compounded quarterly. How much would his investment be worth when he is 65?

\$239,898

7

Katy deposited \$200 in her account. If her bank offers 3% interest compounded monthly, how much will be in her account in 10 years?



\$641.02

8



How much interest is earned on \$275 compounded semiannually for 4 years at 2.9%?

\$89,793

9



Sally purchased a condo for \$120,000 in 2001. If the condo increased in value by 6.5% each year, how much is the condo worth in 2012?

\$33.57

10

Deposit Slip

Date _____

USA Bank
Hometown, KS
123-00054-325

Currency	
Checks	
Sub-total	
Less Cash	
Total	

Jenny has \$300. She found a bank with an interest rate of 3.8% compounded monthly. How much interest would she earn in 1 year?

\$1.40

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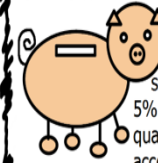
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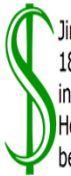
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Student Answer Sheet – Version A1

Student Answer Sheet

Name _____

Period _____

Pick a card to start with. Write the number in the 1st box. Work the problem and then locate the card with the correct answer. Write the card number in the 2nd box, and then continue until you reach your first card again.

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Compound Interest Formula

$A =$

Show work below

_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$
_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$
_____ $P =$ $r =$ $n =$ $t =$ $A =$	_____ $P =$ $r =$ $n =$ $t =$ $A =$		