#1

Zoe has $10 in a saving account. The interest is 30%, compounded annually. To the nearest cent, how much interest will she earn in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

$ ☐

Show your work

#2

Choose the best answer

Alyssa has $15 in a saving account that earns 20% interest, compounded annually. To the nearest cent, how much will she have in 2 years? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $29.40
- ○ $25.35
- ○ $21.60
- ○ $18.15

Show your work

#3

Choose the best answer

Kevin deposited $10 in a savings account earning 15% interest, compounded annually. To the nearest cent, how much will he have in 2 years? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $15.63
- ○ $18.22
- ○ $11.03
- ○ $13.22

Show your work

#4

Addison has $25 in a saving account. The interest is 25%, compounded annually. To the nearest cent, how much interest will she earn in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

$ ____

Show your work

#5

Choose the best answer

Darren has $25 in a saving account. The interest is 10%, compounded annually. To the nearest cent, how much interest will he earn in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $7.50
- ○ $0.00
- ○ $5.00
- ○ $2.50

Show your work

#6

Choose the best answer

Landon has $20 in a saving account. The interest is 25%, compounded annually. To the nearest cent, how much interest will he earn in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $5.00
- ○ $7.00
- ○ $3.00
- ○ $9.00

Show your work

#7

Choose the best answer

Matilda deposited $20 in a savings account earning 25% interest, compounded annually. To the nearest cent, how much will she have in 2 years? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $31.25
- ○ $42.05
- ○ $26.45
- ○ $36.45

Show your work

#8

Choose the best answer

Maya deposited $25 in a savings account earning 25% interest, compounded annually. To the nearest cent, how much will she have in 2 years? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $33.06
- ○ $52.56
- ○ $45.56
- ○ $39.06

Show your work

#9

Alyssa has $5 in a saving account. The interest is 25%, compounded annually. To the nearest cent, how much interest will she earn in 2 years? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

$ ☐

Show your work

#10

Mason deposited $15 in a savings account earning 10% interest, compounded annually. To the nearest cent, how much will he have in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

$ ____

Show your work

#11

Choose the best answer

Michael has $25 in a saving account. The interest is 30%, compounded annually. To the nearest cent, how much interest will he earn in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $12.50
- ○ $7.50
- ○ $5.00
- ○ $10.00

Show your work

#12

Choose the best answer

Anna has $25 in a saving account that earns 10% interest, compounded annually. To the nearest cent, how much will she have in 1 year? Use the formula $B=p*(1+r)^t$, where B is the balance (final amount), p is the principal (starting amount), r is the interest rate expressed as a decimal, and t is the time in years.

- ○ $32.50
- ○ $30.00
- ○ $27.50
- ○ $25.00

Show your work

Question	Answer
#1	3.00
#2	choice 3
#3	choice 4
#4	6.25
#5	choice 4
#6	choice 1
#7	choice 1
#8	choice 4
#9	2.81
#10	16.50
#11	choice 2
#12	choice 3