

Name:

L02

-4

$\frac{18}{22}$

Date:

Tuesday 4/

1. Mr. Taylor puts \$1,600 in Value Bank. The interest rate is 4% per year. How much interest will he get after 1 year?

Mr. Taylor will get \$64.00 of interest after one year.

$$\frac{4}{100} \times \frac{1,600}{1} = \$64.00$$

-1 label

2. Ms. Benjamin puts \$1,200 in Virtue bank. The interest rate is 6% per year.
a. How much interest will she get after one year?

$$\frac{6\%}{100} \times \frac{1,200}{1} = 72.00$$

-1 label correctly

Ms. Benjamin will get 72.00 after one year.

\$72

- b. How much money will Ms. Benjamin have in the bank after one year?

$$\begin{array}{r} 1,200 \\ + 72 \\ \hline \$1,272 \end{array}$$

Ms. Benjamin will have \$1,272 after one year.

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3. Benny bought a DVD recorder for \$800. He had to pay 5% sales tax on the DVD recorder. How much sales tax did Benny pay?

$$800 + 40 = 840$$

$$\frac{5\%}{100} \times \frac{800}{1} = 40$$

Benny paid \$40.00 for sales tax.

4. The price of a computer was \$1,500. Lisa bought the computer and had to pay 5% sales tax on the price.

- a. How much sales tax did Lisa pay?

$$\frac{5}{100} \times \frac{1,500}{1} = 75$$

Lisa paid \$75.00 in sales tax.

- b. How much did she pay in total?

$$\begin{array}{r} 1,500 \\ + 75 \\ \hline 1,575 \end{array}$$

She paid \$1,575 in total.

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5. The regular price of a refrigerator was \$1,200. Ms. Williams bought the refrigerator at a discount of 15%. How much was the discount?

$$15\% = 180$$

The discount was \$180.

$$\begin{array}{r} 1,200 \\ - 180 \\ \hline 1,020 \end{array}$$

6. At a sale, Mrs. Jones bought a piano at a discount of 20%. The regular price of the piano was \$4,200.

- a. What was the discounted price for the piano?

$$20\% = 840$$

The discounted price for the piano is \$3,360.

$$\begin{array}{r} 4,200 \\ - 840 \\ \hline 3,360 \end{array}$$

- b. Mrs. Jones paid 5% sales tax on the sale price. How much sales tax did she pay?

$$5\% = 240$$

She paid \$240 for the sales tax.

$$-1 \quad \frac{5}{100} \times \frac{3360}{1} =$$

Name: LozDate: 4.13.2021**Lesson 10.4 Real-World Problems: Percent****Solve. Show your work.**

1. Leon deposited \$30,000 in a bank which paid 2% interest per year. After 1 year, Leon withdrew all his money including the interest. How much money did Leon withdraw in all?

$$\begin{array}{r}
 2\% = 600 \\
 30,000 \\
 + 600 \\
 \hline
 30,600
 \end{array}$$

Leon Withdrewd
\$30,600,

2. At a flower shop, 4 flowers cost \$10. Mrs. Watson usually buys 12 flowers. During a sale, there is a 20% discount on every flower. How many flowers can Mrs. Watson buy during the sale if she spends the same amount of money that she usually does?

15 flowers

$$\frac{20\%}{100} \times \frac{4}{1} = 0.80$$

$$\begin{array}{r}
 12 \\
 \times 10 \\
 \hline
 120
 \end{array}$$

$$0.8 \times 37 = 29.60$$

She can spend \$29.60
and get 37 flowers.

