

## Practice Adding Percent to a Number

These questions provide extra practice for the Tech Tip on pages 118–119. Use your calculator to answer the questions.

### Example

Sophie pays \$895 per month to rent her apartment. Next year, the percent rent increase will be 3%. What is Sophie's new monthly rent?

### Solution

#### Method 1

Use the  $\boxed{\%}$  key.

$$\boxed{C} \ 895 \boxed{+} \ 3 \boxed{\%} \boxed{=} \ 921.85$$

Sophie's new monthly rent is \$921.85.

Note: The method above will work with many calculators. If you have a scientific calculator, experiment to find out how the  $\boxed{\%}$  key works.

#### Method 2

Multiply the cost by 1 plus the percent shown as a decimal.

$$\boxed{C} \ 895 \boxed{\times} \ 1.03 \boxed{=} \ 921.85$$

Sophie's new monthly rent is \$921.85.

- 1.** The monthly rent for Trevor's apartment is \$710. His landlord tells him that next year, the monthly rent will increase by 5%.

**a)** Calculate Trevor's new monthly rent using Method 1.

**b)** Calculate Trevor's new monthly rent using Method 2.

**c)** Which method do you prefer to use? Why?

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Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 3-3**

(continued)

- 2.** Alysha works 35 hours per week and currently earns \$11.25 per hour at her job. Her supervisor tells her that next month, she will receive a 4% pay increase.
- a)** Calculate Alysha's new hourly pay.
- b)** How much will Alysha earn per month after the increase? Assume a 4-pay month.
- 3.** Adam's monthly car insurance premium is \$113, and will increase by 9% next year. How much will he pay per month next year?
- 4.** Deena earns a salary plus a commission. She receives \$400 per week in wages, and earns 55% of her weekly sales in commission. This week, she sold \$325. How much will Deena receive this week?

