

**Interpret and partition a decimal in money contexts**

1. When calculating the pay-roll, a business owner obtained the answer 2 547.9 on her calculator.
  - a. How many cents does the 9 indicate? \_\_\_\_\_
  - b. How would you write eighty five dollars and six cents? \_\_\_\_\_
2. Computer software calculated that the cost of the brickwork in a new building will be \$65 435.0683.
  - a. Round this to the nearest cent. \_\_\_\_\_
  - b. Round this to the nearest 10 cents. \_\_\_\_\_
  - c. Round this to the nearest dollar. \_\_\_\_\_
3.
  - a. How many cents are there in 36 hundredths of a dollar?  
\_\_\_\_\_
  - b. What fraction of a dollar is 23 cents? \_\_\_\_\_
  - c. In a certain country a dime is  $\frac{1}{10}$ th of a dollar and there are 100 cents in a dollar. How many cents are there in 6 dimes?  
\_\_\_\_\_
4. 17 cents can be written as \$0.17. Write the following amounts in the same form.
  - a. 84 c = \_\_\_\_\_
  - b. 6 c = \_\_\_\_\_
  - c. \$1 + 60c + 1c = \_\_\_\_\_
  - d. \$2 + 5c + 40c = \_\_\_\_\_

**Pointers:**

1. There is a link between the number of cents in a dollar and percentages. A cent is one percent of a dollar. This is why there are 100 cents in a dollar. Also, 100 cents is 100 percent of a dollar which is one whole dollar.