

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? **.9 is the same as .90 so the .9 represents 90 cents.**
 - b. How would you write eighty five dollars and six cents? **\$85.06**
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. **\$65 435.07**
 - b. Round this to the nearest 10 cents. **\$65 435.10**
 - c. Round this to the nearest dollar. **\$65 435**
3.
 - a. How many cents are there in 36 hundredths of a dollar?
As a decimal, 36 hundredths of a dollar is \$0.36 which is 36 cents
 - b. What fraction of a dollar is 23 cents? **twenty three hundredths which can be written as $\frac{23}{100}$.**
 - 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?
Each dime is worth 10 cents so 6 dimes will be worth 60 cents.
4. 17 cents can be written as \$0.17. Write the following amounts in the same form.
 - a. 84 c = **\$0.84**
 - b. 6 c = **\$0.06**
 - c. \$1 + 60c + 1c = **\$1.61**
 - d. \$2 + 5c + 40c = **\$2.45**