

Name _____

Solve & Share

Suppose you have \$3.45. List ways you can show this amount using pennies, dimes, and dollar bills. Circle the way that uses the fewest of each kind of bill or coin. **Solve this problem any way you choose.**



Lesson 1-6

Using Money to Understand Decimals

TEKS 4.2E Represent decimals, including tenths and hundredths, using concrete and visual models and money. Also, 4.2B.
Mathematical Process Standards 4.1A, 4.1B, 4.1C, 4.1E, 4.1G

Digital Resources at PearsonTexas.com



Solve



Learn



Glossary



Check



Tools



Games

You can select and use tools. Bills and coins can help you model your work. **Show your work in the space above!**



Look Back!

Number Sense Is it possible to show \$3.45 using only one type of coin or bill? Explain.

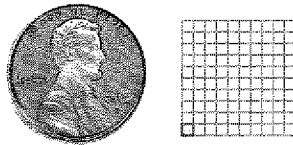
How Are Decimals Related to Money?



Seth paid six dollars and fifty-two cents for two frozen yogurts.

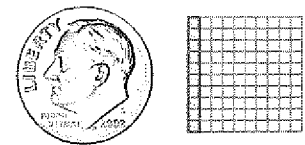
How can you show the decimal value of money?

A penny is one hundredth of a dollar.



0.01

A dime is one tenth of a dollar.

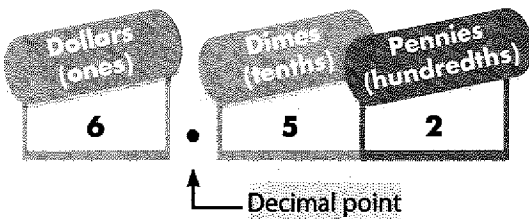


0.1

Use a place-value chart.

One Way

You can use a place-value chart to show the decimal value of money.



Read: six dollars *and* fifty-two cents.

Use place-value understandings.

Another Way

You can relate money to ones, tenths, and hundredths.



$$\$6.52 = 6 \text{ dollars} + 5 \text{ dimes} + 2 \text{ pennies}$$

$$6.52 = 6 \text{ ones} + 5 \text{ tenths} + 2 \text{ hundredths}$$

$$\$6.52 = 6 \text{ dollars} + 52 \text{ pennies}$$

$$6.52 = 6 \text{ ones} + 52 \text{ hundredths}$$

Do You Understand?

Convince Me! A classmate wrote the total amount of money collected this way: \$3.84. Is this correct? Explain.

Money Collected

4 dimes 3 ones 8 pennies