LESSON MAKER PRO

Decimal Money Match

Show tenths and hundredths with models and money.

GRADE 4 · TEKS 4.2.E

4.2.E "represent decimals, including tenths and hundredths, using concrete and visual models and money;"

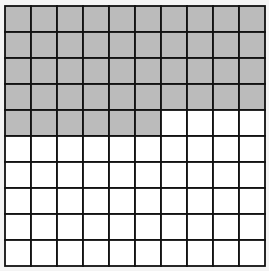
NAME _____ DATE _____

PLACE VALUE AND MONEY

The first digit after the decimal is tenths. The second digit is hundredths. In money, the digits after the decimal show cents, so $0.34 is 34 cents.

WORKED EXAMPLE

What decimal does the shaded model show? Write it as money.

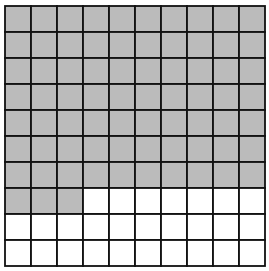


1. The model has 46 shaded squares out of 100.
2. 46 hundredths is 0.46.
3. 46 cents is $0.46.

Answer: 0.46, $0.46

PRACTICE 4 problems

1 What decimal does the shaded model show? Write it as money.



ANSWER _____

_____

2 Write 8 tenths as a decimal and as money.

ANSWER _____

_____

3 Write 0.09 as cents.

ANSWER _____

4 Write $3.40 as a decimal number of dollars.

ANSWER _____

APPLY IT Show your work

1 Nia has $5.00. She buys a notebook for $2.75. How much money does she have left?

WORK SPACE

ANSWER _____

2 A game costs $1.60, and a juice costs $0.85. How much do they cost altogether?

WORK SPACE

ANSWER _____

3 Your teacher gives you four dime coins and six penny coins, or labeled play coins of those values. Arrange and count them to represent part of one dollar. Draw and label your coin model. Explain how each dime represents one tenth of a dollar and each penny one hundredth. Write the total as a decimal number of dollars and as money, and connect it to the worked hundredths grid.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Leo says $4.07 means 4 dollars and 7 tenths. Is Leo correct? Explain what $4.07 means.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Money Match

GRADE 4 · TEKS 4.2.E

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What decimal does the shaded model show? Write it as money.	**0.73, $0.73**
2	Write 8 tenths as a decimal and as money.	**0.8, $0.80**
3	Write 0.09 as cents.	**9 cents**
4	Write $3.40 as a decimal number of dollars.	**3.40**

PART 2 · APPLY IT

1. **$2.25** Subtract $2.75 from $5.00. Nia has $2.25 left.
2. **$2.45** Add $1.60 and $0.85. The total is $2.45.
3. **40 cents + 6 cents = 46 cents; 0.46 dollars; $0.46.** Provide and inspect four actual dime-value pieces and six penny-value pieces. Each dime is 10 cents = 0.10 dollar; each penny is 1 cent = 0.01 dollar. The child arranges all ten coins, draws four labeled 10-cent coins and six labeled 1-cent coins, and explains the grid has four full rows of ten plus six squares, or 46 hundredths of a dollar.

CHALLENGE

No. $4.07 means 4 dollars and 7 cents, or 4 dollars, 0 tenths, and 7 hundredths.

Accept 0.80 as an equivalent decimal for 0.8, but money amounts should include a dollar sign and two cent digits. For the challenge, accept any explanation that identifies 7 as hundredths, or 7 cents. For Apply 3 require actual labeled coin manipulation and a matching drawing, plus decimal/money notation and the grid connection. Coin diameter does not determine value; denomination labels do. Read directions or record an oral explanation as needed.