LESSON MAKER PRO

Decimal Fraction Links

Match tenths and hundredths to decimal numbers.

GRADE 4 · TEKS 4.2.G

4.2.G "relate decimals to fractions that name tenths and hundredths; and"

NAME _____ DATE _____

PLACE VALUE LINKS

The first digit to the right of the decimal point names tenths. The second digit to the right names hundredths. Write a fraction with 10 for tenths or 100 for hundredths.

WORKED EXAMPLE

Write 0.63 as a fraction that names hundredths.

1. The 6 is in the tenths place and the 3 is in the hundredths place.
2. 0.63 is 63 hundredths.
3. Write 63 over 100.

Answer: 63/100

PRACTICE 6 problems

1 Write 0.4 as a fraction that names tenths.

ANSWER _____

2 Write 28/100 as a decimal.

ANSWER _____

3 Write 0.07 as a fraction that names hundredths.

ANSWER _____

4 Write 9/10 as a decimal.

ANSWER _____

5 Write 0.15 as a fraction that names hundredths.

ANSWER _____

6 Write 80/100 as a decimal.

ANSWER _____

APPLY IT Show your work

1 An activity app shows that Priya walked 0.42 mile. Write her distance as a fraction that names hundredths.

WORK SPACE

ANSWER _____

2 A game token costs 7/10 of a dollar. Write the cost as a decimal number of dollars.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A watering can is 0.5 full. Jada writes 5/10. Omar writes 50/100. Are both students correct? Explain your reasoning.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Fraction Links

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 0.4 as a fraction that names tenths.	**4/10**
2	Write 28/100 as a decimal.	**0.28**
3	Write 0.07 as a fraction that names hundredths.	**7/100**
4	Write 9/10 as a decimal.	**0.9**
5	Write 0.15 as a fraction that names hundredths.	**15/100**
6	Write 80/100 as a decimal.	**0.80**

PART 2 · APPLY IT

1. **42/100** 0.42 means 42 hundredths, so write 42/100.
2. **0.7** Seven tenths is written as 0.7.

CHALLENGE

Yes. 0.5 = 5/10, and 0.50 = 50/100. Both fractions name the same amount.

Require fractions with denominators of 10 or 100 when the prompt asks for tenths or hundredths. Accept equivalent decimal forms with trailing zeros, such as 0.8 for 0.80.