LESSON MAKER PRO

Decimal Switch-Up

Turn familiar fractions into decimals through hundredths.

GRADE 4 · 4.NS.5.a

4.NS.5.a "Represent fractions (proper or improper) and/or mixed numbers as decimals through hundredths, using multiple representations, limited to halves, fourths, fifths, tenths, and hundredths.*"

NAME _____ DATE _____

FRACTION TO DECIMAL

A decimal can show tenths and hundredths. Rewrite halves, fourths, and fifths as tenths or hundredths, then place any whole-number part to the left of the decimal point.

WORKED EXAMPLE

Write 1 3/5 as a decimal.

1. Split the mixed number: 1 3/5 = 1 + 3/5.
2. Change fifths to tenths: 3/5 = 6/10.
3. Write 6/10 as 0.6.
4. Add: 1 + 0.6 = 1.6.

Answer: 1.6

PRACTICE 6 problems

1 Write 1/2 as a decimal.

ANSWER _____

2 Write 3/4 as a decimal.

ANSWER _____

3 Write 7/10 as a decimal.

ANSWER _____

4 Write 19/100 as a decimal.

ANSWER _____

5 Write 6/5 as a decimal.

ANSWER _____

6 Write 2 1/4 as a decimal.

ANSWER _____

APPLY IT Show your work

1 A video game update uses 1 4/5 GB of storage. Write the amount of storage as a decimal.

WORK SPACE

ANSWER _____

2 A class robot traveled 37/100 kilometer during a test. Write the distance as a decimal.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Write 17/4 as a decimal. Explain how you used fourths and whole numbers.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Switch-Up

GRADE 4 · 4.NS.5.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 1/2 as a decimal.	**0.5**
2	Write 3/4 as a decimal.	**0.75**
3	Write 7/10 as a decimal.	**0.7**
4	Write 19/100 as a decimal.	**0.19**
5	Write 6/5 as a decimal.	**1.2**
6	Write 2 1/4 as a decimal.	**2.25**

PART 2 · APPLY IT

1. **1.8 GB** Change 4/5 to 8/10, or 0.8. Then combine 1 and 0.8 to get 1.8 GB.
2. **0.37 kilometer** Thirty-seven hundredths is written with 3 tenths and 7 hundredths. The decimal is 0.37 kilometer.

CHALLENGE

4.25.

Accept equivalent decimal forms, such as 0.50 for 0.5. A missing leading zero is acceptable if the decimal place value is clear.