LESSON MAKER PRO

Shaded to Decimal

Read models and write tenths and hundredths.

GRADE 4 · 4.NF.C.18

4.NF.C.18 "Use models and decimal notation to represent fractions with denominators of 10 and 100."

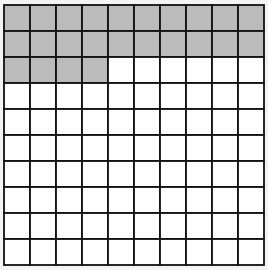
NAME _____ DATE _____

FROM PARTS TO DECIMALS

A 10-by-10 grid has 100 equal squares, so each square is 1/100 of the whole. A fraction with 10 on the bottom names tenths and uses one digit after the decimal point. A fraction with 100 on the bottom names hundredths and uses two digits after the decimal point.

WORKED EXAMPLE

Write the shaded part as a decimal.

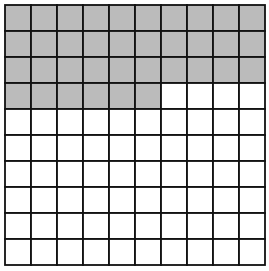


1. Count 24 shaded squares out of 100 squares.
2. Write the fraction: 24/100.
3. Write 24 hundredths as 0.24.

Answer: 0.24

PRACTICE 6 problems

1 Write the shaded part as a fraction and a decimal.



ANSWER _____

2 Write the shaded part as a decimal.



ANSWER _____

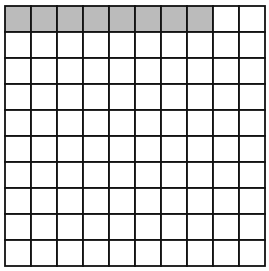
3 Write 9/100 as a decimal.

ANSWER _____

4 Write 5/10 as a fraction with 100 on the bottom and as a decimal.

ANSWER _____

5 Write the shaded part as a fraction and a decimal.



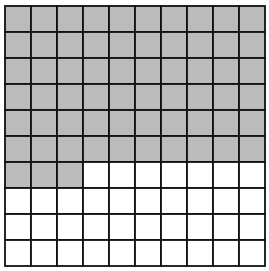
ANSWER _____

6 Write 60/100 as a fraction with 10 on the bottom and as a decimal.

ANSWER _____

APPLY IT Show your work

1 Maya's game shows how much of a level she has finished. Write the finished part as a fraction and a decimal.



ANSWER _____

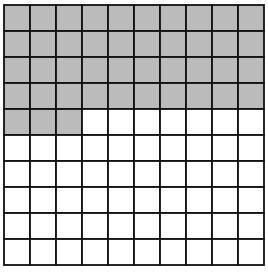
2 Leo has listened to 3/10 of a playlist. Write the part he has heard as a fraction with 100 on the bottom and as a decimal to the hundredths place.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Eli says the shaded part is 0.43. Ari says it is 0.403. Who is correct? Explain using a fraction.



WORK SPACE AND ANSWER

ANSWER KEY

Shaded to Decimal

GRADE 4 · 4.NF.C.18

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write the shaded part as a fraction and a decimal.	**36/100 and 0.36**
2	Write the shaded part as a decimal.	**0.7**
3	Write 9/100 as a decimal.	**0.09**
4	Write 5/10 as a fraction with 100 on the bottom and as a decimal.	**50/100 and 0.5**
5	Write the shaded part as a fraction and a decimal.	**8/100 and 0.08**
6	Write 60/100 as a fraction with 10 on the bottom and as a decimal.	**6/10 and 0.60**

PART 2 · APPLY IT

1. **63/100 and 0.63** The model has 63 shaded squares out of 100. That is 63/100, or 0.63.
2. **30/100 and 0.30** Each tenth equals 10 hundredths, so 3/10 equals 30/100. Write 30 hundredths as 0.30.

CHALLENGE

Eli is correct. The fraction is 43/100, which is 0.43.

For problem 4, accept 0.50 as well as 0.5. For problem 6, accept 0.6 as well as 0.60.