LESSON MAKER PRO

Tenths Meet Hundredths

Rename tenths, then add.

GRADE 4 · 4.NF.C.17.a

4.NF.C.17.a "Use fraction equivalency to add two fractions with denominators of 10 and 100."

NAME _____ DATE _____

THE BIG IDEA

One tenth is equal to ten hundredths. To add tenths and hundredths, rename the tenths as hundredths so both fractions have the same denominator.

WORKED EXAMPLE

Add 3/10 + 14/100. Write the sum in hundredths.

1. Rename 3/10 as 30/100.
2. Add 30/100 + 14/100 = 44/100.

Answer: 44/100

PRACTICE 6 problems

1 Add 1/10 + 26/100. Write the sum in hundredths.

ANSWER _____

2 Add 5/10 + 18/100. Write the sum in hundredths.

ANSWER _____

3 Add 7/100 + 6/10. Write the sum in hundredths.

ANSWER _____

4 Add 4/10 + 23/100. Write the sum in hundredths.

ANSWER _____

5 Add 9/10 + 8/100. Write the sum in hundredths.

ANSWER _____

6 Add 7/10 + 45/100. Write the sum in hundredths.

ANSWER _____

APPLY IT Show your work

1 At a school carnival, Maya fills 4/10 of a jar with blue beads and 31/100 of the jar with yellow beads. What fraction of the jar is filled with beads? Write your answer in hundredths.

WORK SPACE

ANSWER _____

2 Sam's songs take up 2/10 of an hour on a class playlist. Ava's songs take up 47/100 of an hour. How much of an hour do their songs take altogether? Write your answer in hundredths.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Lena says 6/10 + 29/100 = 35/100 because 6 + 29 = 35. Explain her mistake and give the correct sum in hundredths.

WORK SPACE AND ANSWER

ANSWER KEY

Tenths Meet Hundredths

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Add 1/10 + 26/100. Write the sum in hundredths.	**36/100**
2	Add 5/10 + 18/100. Write the sum in hundredths.	**68/100**
3	Add 7/100 + 6/10. Write the sum in hundredths.	**67/100**
4	Add 4/10 + 23/100. Write the sum in hundredths.	**63/100**
5	Add 9/10 + 8/100. Write the sum in hundredths.	**98/100**
6	Add 7/10 + 45/100. Write the sum in hundredths.	**115/100**

PART 2 · APPLY IT

1. **71/100** Rename 4/10 as 40/100. Add 40/100 + 31/100 = 71/100.
2. **67/100 of an hour** Rename 2/10 as 20/100. Add 20/100 + 47/100 = 67/100 of an hour.

CHALLENGE

Lena added the numerators before making equal-sized parts. Since 6/10 = 60/100, the correct sum is 60/100 + 29/100 = 89/100.

The directions ask for answers in hundredths, so look for a denominator of 100. For the challenge, accept any explanation that identifies the need to rename tenths as hundredths before adding.