LESSON MAKER PRO

Tenths Team Up

Change tenths to hundredths, then add.

GRADE 4 · 4.NF.C.17

4.NF.C.17 "Express, model, and explain the equivalence between fractions with denominators of 10 and 100. a. Use fraction equivalency to add two fractions with denominators of 10 and 100."

NAME _____ DATE _____

THE BIG IDEA

One tenth equals ten hundredths. To add tenths and hundredths, change the tenths to hundredths first. Then add the hundredths.

WORKED EXAMPLE

Add 7/10 + 13/100.

1. Change 7/10 to 70/100.
2. Add 70/100 + 13/100.
3. 70 + 13 = 83.

Answer: 83/100

PRACTICE 6 problems

1 Add 4/10 + 21/100. Write your answer in hundredths.

ANSWER _____

2 Fill in both blanks: 5/10 = ___/100, so 5/10 + 8/100 = ___/100.

ANSWER _____

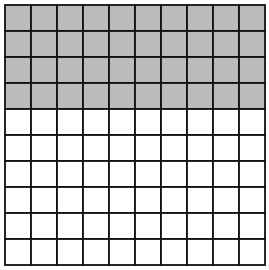
3 Add 9/100 + 6/10. Write your answer in hundredths.

ANSWER _____

4 Add 8/10 + 14/100. Write your answer in hundredths.

ANSWER _____

5 The shaded squares show part of one whole. If 3/10 more of the whole is shaded, what fraction of the whole is shaded now? Write your answer in hundredths.



ANSWER _____

6 Add 1/10 + 26/100. Write your answer in hundredths.

ANSWER _____

APPLY IT Show your work

1 A game character fills 3/10 of an energy bar, then gains 24/100 more of the bar. What fraction of the bar is filled?

WORK SPACE

ANSWER _____

2 Mia paints 6/10 of a poster blue and 17/100 of the poster green. What fraction of the poster is blue or green?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Nico says 9/10 + 29/100 = 38/100 because 9 + 29 = 38. Explain his mistake and find the correct sum.

WORK SPACE AND ANSWER

ANSWER KEY

Tenths Team Up

GRADE 4 · 4.NF.C.17

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Add 4/10 + 21/100. Write your answer in hundredths.	**61/100**
2	Fill in both blanks: 5/10 = ___/100, so 5/10 + 8/100 = ___/100.	**50/100; 58/100**
3	Add 9/100 + 6/10. Write your answer in hundredths.	**69/100**
4	Add 8/10 + 14/100. Write your answer in hundredths.	**94/100**
5	The shaded squares show part of one whole. If 3/10 more of the whole is shaded, what fraction of the whole is shaded now? Write your answer in hundredths.	**70/100**
6	Add 1/10 + 26/100. Write your answer in hundredths.	**36/100**

PART 2 · APPLY IT

1. **54/100** Change 3/10 to 30/100. Then add 30/100 + 24/100 = 54/100.
2. **77/100** Change 6/10 to 60/100. Then add 60/100 + 17/100 = 77/100.

CHALLENGE

Nico added the numerators before making the denominators the same. Since 9/10 = 90/100, the sum is 90/100 + 29/100 = 119/100.

Accept equivalent fractions or mixed numbers for sums unless a problem asks for hundredths. For the challenge, accept 1 19/100 as the sum if the explanation also shows that 9/10 equals 90/100.