LESSON MAKER PRO

Tenths to Hundredths

Rename, then add fractions with tenths and hundredths.

GRADE 4 · 4.NF.C.5

CCSS.Math.Content.4.NF.C.5 "Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100. 2 For example, express 3/10 as 30/100..."

NAME _____ DATE _____

MAKE LIKE DENOMINATORS

To change a fraction with denominator 10 into a fraction with denominator 100, multiply the numerator by 10. Then both fractions have the same denominator, so you can add the numerators.

WORKED EXAMPLE

Find 7/10 + 13/100.

1. Change 7/10 to a fraction with denominator 100.
2. 7/10 = 70/100.
3. Add: 70/100 + 13/100 = 83/100.

Answer: 83/100

PRACTICE 6 problems

1 Write 4/10 as a fraction with denominator 100.

ANSWER _____

2 Find 26/100 + 5/10.

ANSWER _____

3 Find 9/10 + 6/100.

ANSWER _____

4 Write 3/10 as a fraction with denominator 100.

ANSWER _____

5 Find 41/100 + 2/10.

ANSWER _____

6 Find 8/10 + 11/100.

ANSWER _____

APPLY IT Show your work

1 At a school fun run, Maya completed 6/10 of the course before a water break. Then she completed 18/100 more of the course. What fraction of the course did Maya complete altogether?

WORK SPACE

ANSWER _____

2 Jordan's art club painted 52/100 of a mural on Monday and 1/10 of the mural on Tuesday. What fraction of the mural did the club paint in all?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game score meter is 84/100 full. It was 24/100 full at first, and then it increased by x/10. What is x? Show why your answer works.

WORK SPACE AND ANSWER

ANSWER KEY

Tenths to Hundredths

GRADE 4 · 4.NF.C.5

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 4/10 as a fraction with denominator 100.	**40/100**
2	Find 26/100 + 5/10.	**76/100**
3	Find 9/10 + 6/100.	**96/100**
4	Write 3/10 as a fraction with denominator 100.	**30/100**
5	Find 41/100 + 2/10.	**61/100**
6	Find 8/10 + 11/100.	**91/100**

PART 2 · APPLY IT

1. **78/100** Change 6/10 to 60/100. Then add 60/100 + 18/100 = 78/100.
2. **62/100** Change 1/10 to 10/100. Then add 52/100 + 10/100 = 62/100.

CHALLENGE

x = 6, because 84/100 - 24/100 = 60/100 = 6/10.

Expect fractions written with denominator 100 for the practice and application items. For the challenge, accept x = 6 with a correct explanation that 6/10 is the same as 60/100.