LESSON MAKER PRO

Tenths Meet Hundredths

Rename tenths as hundredths, then add.

GRADE 4 · MA.4.FR.2.3

MA.4.FR.2.3 "Explore the addition of a fraction with denominator of 10 to a fraction with denominator of 100 using equivalent fractions."

NAME _____ DATE _____

MAKE LIKE DENOMINATORS

To add a fraction with denominator 10 to a fraction with denominator 100, rename the tenths fraction as hundredths. Multiply its numerator and denominator by 10, then add the numerators. Keep the denominator 100.

WORKED EXAMPLE

Add 4/10 + 37/100.

1. Rename 4/10 as 40/100.
2. Write 40/100 + 37/100.
3. Add: 40 + 37 = 77.

Answer: 77/100

PRACTICE 6 problems

1 Add 2/10 + 15/100.

ANSWER _____

2 Add 6/10 + 8/100.

ANSWER _____

3 Add 1/10 + 49/100.

ANSWER _____

4 Add 7/10 + 23/100.

ANSWER _____

5 Add 3/10 + 61/100.

ANSWER _____

6 Add 8/10 + 12/100.

ANSWER _____

APPLY IT Show your work

1 On Monday, Ava read 5/10 of her graphic novel. On Tuesday, she read another 16/100 of the same novel. What fraction of the novel did she read altogether?

WORK SPACE

ANSWER _____

2 During a racing game, Leo completed 9/10 of a track challenge. He then completed another 7/100 of the challenge. What fraction of the challenge did he complete altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Nia says that 2/10 + 78/100 equals 80/100. Is Nia correct? Explain your reasoning.

WORK SPACE AND ANSWER

ANSWER KEY

Tenths Meet Hundredths

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Add 2/10 + 15/100.	**35/100**
2	Add 6/10 + 8/100.	**68/100**
3	Add 1/10 + 49/100.	**59/100**
4	Add 7/10 + 23/100.	**93/100**
5	Add 3/10 + 61/100.	**91/100**
6	Add 8/10 + 12/100.	**92/100**

PART 2 · APPLY IT

1. **66/100** Rename 5/10 as 50/100. Then add 50/100 + 16/100 = 66/100.
2. **97/100** Rename 9/10 as 90/100. Then add 90/100 + 7/100 = 97/100.

CHALLENGE

No. 2/10 = 20/100, so 20/100 + 78/100 = 98/100.

Expect students to rename the tenths fraction with a denominator of 100 before adding. Accept equivalent fraction forms, but the intended answers are written in hundredths.