LESSON MAKER PRO

Fraction Moves

Add, subtract, and check your answers.

GRADE 5 · 5.N.3

5.N.3 "Add and subtract fractions with like and unlike denominators, mixed numbers, and decimals to solve real-world and mathematical problems. Estimate sums and differences of fractions with like and unlike denominators, mixed numbers..."

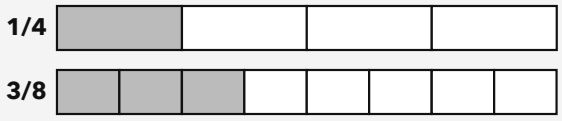
NAME _____ DATE _____

EQUAL-SIZE PARTS

To add or subtract fractions, first give them a common denominator. For mixed numbers, combine the whole numbers and fraction parts, then regroup if needed.

WORKED EXAMPLE

Find 1/4 + 3/8.



1. Use eighths for both fractions.
2. 1/4 = 2/8
3. 2/8 + 3/8 = 5/8

Answer: 5/8

PRACTICE 4 problems

1 Find 2/5 + 3/10.

ANSWER _____

2 Find 7/12 - 1/4.

ANSWER _____

3 Find 1 2/3 + 5/6.

ANSWER _____

4 Find 2 3/5 - 7/10.

ANSWER _____

APPLY IT Show your work

1 A smoothie uses 3/4 cup of yogurt and 2/3 cup of milk. How many cups of yogurt and milk does it use?

WORK SPACE

ANSWER _____

2 You have 2 1/2 hours for games. You play for 1 3/4 hours. How much time is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find the distance from A to B as a mixed number. Is 2 a reasonable estimate? Explain.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Moves

GRADE 5 · 5.N.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 2/5 + 3/10.	**7/10**
2	Find 7/12 - 1/4.	**1/3**
3	Find 1 2/3 + 5/6.	**2 1/2**
4	Find 2 3/5 - 7/10.	**1 9/10**

PART 2 · APPLY IT

1. **1 5/12 cups** Use twelfths: 9/12 + 8/12 = 17/12 = 1 5/12.
2. **3/4 hour** Regroup 2 1/2 as 1 6/4, then subtract 1 3/4 to get 3/4.

CHALLENGE

1 3/4; yes, 1 3/4 rounds to 2.

Accept equivalent fractions or decimals. For the challenge, accept any clear explanation that 2 is close to the exact distance.