LESSON MAKER PRO

Fraction Fix Up

Make denominators match, then solve.

GRADE 5 · 5.NF.A.1

CCSS.Math.Content.5.NF.A.1 "Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators..."

NAME _____ DATE _____

MATCH THE DENOMINATORS

To add or subtract fractions with unlike denominators, rename both fractions as equivalent fractions with a common denominator. Then add or subtract the numerators and keep the denominator. Write answers in simplest form, changing improper fractions to mixed numbers when needed.

WORKED EXAMPLE

3/7 + 2/9

1. Use 63 as a common denominator.
2. 3/7 = 27/63 and 2/9 = 14/63.
3. 27/63 + 14/63 = 41/63.

Answer: 41/63

PRACTICE 6 problems

1 1/4 + 1/6 =

ANSWER _____

2 5/8 - 1/6 =

ANSWER _____

3 1 1/5 + 1/10 =

ANSWER _____

4 4 1/6 - 1 1/4 =

ANSWER _____

5 7/10 + 5/6 =

ANSWER _____

6 2 1/4 - 1/5 =

ANSWER _____

APPLY IT Show your work

1 During a game design project, Nia finishes 5/12 of her game on Monday and 1/8 of it on Tuesday. What fraction of the game does she finish altogether?

WORK SPACE

ANSWER _____

2 A video for the school news is 2 1/2 minutes long. Eli trims 3/4 minute from the video. How long is the video after he trims it?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Solve: 1 5/6 + 2 3/8 - 1 1/4 =

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Fix Up

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	1/4 + 1/6 =	**5/12**
2	5/8 - 1/6 =	**11/24**
3	1 1/5 + 1/10 =	**1 3/10**
4	4 1/6 - 1 1/4 =	**2 11/12**
5	7/10 + 5/6 =	**1 8/15**
6	2 1/4 - 1/5 =	**2 1/20**

PART 2 · APPLY IT

1. **13/24** Rename 5/12 as 10/24 and 1/8 as 3/24. Add 10/24 + 3/24 to get 13/24.
2. **1 3/4 minutes** Rename 2 1/2 as 2 2/4. Subtract 3/4 to get 1 3/4 minutes.

CHALLENGE

2 23/24

Accept equivalent fraction forms, although simplified answers are preferred. Accept a correct improper fraction or mixed number when both represent the same value.