

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 $\frac{5}{12}$ of her game on Monday and $\frac{1}{8}$ of it on Tuesday. What fraction of the game does she finish altogether?

WORK SPACE

ANSWER _____

- 2** A video for the school news is $2\frac{1}{2}$ minutes long. Eli trims $\frac{3}{4}$ minute from the video. How long is the video after he trims it?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Solve: $1\frac{5}{6} + 2\frac{3}{8} - 1\frac{1}{4} =$

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

- 13/24** Rename $5/12$ as $10/24$ and $1/8$ as $3/24$. Add $10/24 + 3/24$ to get $13/24$.
- 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.