

Fraction Mix-Up

Add and subtract fractions with confidence.

GRADE 6 • 6.NR.1.1

6.NR.1.1 "Fluently add and subtract any combination of fractions to solve problems."

NAME _____

DATE _____

MATCH THE PARTS

To add or subtract fractions, rename them with a common denominator first. Then add or subtract the numerators, keep the denominator, and simplify when possible.

WORKED EXAMPLE

$$5/12 + 7/18$$

1. The least common denominator of 12 and 18 is 36.
2. Rename the fractions: $5/12 = 15/36$ and $7/18 = 14/36$.
3. Add the numerators: $15/36 + 14/36 = 29/36$.

Answer: 29/36

PRACTICE 6 problems

1 $1/8 + 1/4$

ANSWER _____

2 $11/20 - 3/10$

ANSWER _____

3 $1/3 + 1/6$

ANSWER _____

4 $13/24 + 1/8$

ANSWER _____

5 $11/16 + 1/8$

ANSWER _____

6 $3/4 - 1/6$

ANSWER _____

APPLY IT Show your work

- 1** At robotics club, Jalen spends $\frac{3}{10}$ hour coding and $\frac{1}{4}$ hour testing. How much time does he spend coding and testing altogether?

WORK SPACE

ANSWER _____

- 2** A school fun run route is $\frac{7}{8}$ mile long. Priya has already run $\frac{1}{3}$ mile. How much farther does she need to run?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A student is editing a video clip that is $2\frac{1}{4}$ minutes long. They cut $\frac{5}{6}$ minute, then add $\frac{3}{8}$ minute of footage. How long is the final clip?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$1/8 + 1/4$	$3/8$
2	$11/20 - 3/10$	$1/4$
3	$1/3 + 1/6$	$1/2$
4	$13/24 + 1/8$	$2/3$
5	$11/16 + 1/8$	$13/16$
6	$3/4 - 1/6$	$7/12$

PART 2 • APPLY IT

1. **$11/20$ hour** Use 20 as a common denominator. Add $6/20$ and $5/20$ to get $11/20$ hour.
2. **$13/24$ mile** Use 24 as a common denominator. Subtract $8/24$ from $21/24$ to get $13/24$ mile.

CHALLENGE

1 **$19/24$ minutes**

Accept equivalent simplified fraction forms. For the challenge, accept $43/24$ minutes or $1 \frac{19}{24}$ minutes.