LESSON MAKER PRO

# 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 3/10 hour coding and 1/4 hour testing. How much time does he spend coding and testing altogether?

WORK SPACE

**ANSWER** _____

**2** A school fun run route is 7/8 mile long. Priya has already run 1/3 mile. How much farther does she need to run?

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

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

WORK SPACE AND ANSWER

**ANSWER KEY**

# Fraction Mix-Up

**GRADE 6 · 6.NR.1.1**

## 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 (43/24 minutes). Compute 2 1/4 - 5/6 + 3/8 = 54/24 - 20/24 + 9/24 = 43/24.**

Accept equivalent simplified fraction forms. For the challenge, accept 43/24 minutes or 1 19/24 minutes.