

# Fraction Fix-Up

Add and subtract fractions with matching denominators.

GRADE 4 • MA.4.FR.2.2

**MA.4.FR.2.2** "Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability."

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## KEEP THE DENOMINATOR

When denominators are alike, add or subtract only the numerators. Keep the denominator the same, and simplify the answer when you can. When subtracting mixed numbers, rename one whole as a fraction with the same denominator if you need more fractional parts.

## WORKED EXAMPLE

$$8 \frac{2}{15} - 3 \frac{11}{15} = \underline{\hspace{2cm}}$$

1. Rename  $8 \frac{2}{15}$  as  $7 \frac{17}{15}$ .
2. Subtract the whole numbers:  $7 - 3 = 4$ .
3. Subtract the fractions:  $17/15 - 11/15 = 6/15$ .
4. Simplify  $4 \frac{6}{15}$  to  $4 \frac{2}{5}$ .

**Answer:  $4 \frac{2}{5}$**

## PRACTICE 6 problems

**1**  $4/7 + 2/7 = \underline{\hspace{2cm}}$

**ANSWER** \_\_\_\_\_

**2**  $8/9 - 5/9 = \underline{\hspace{2cm}}$

**ANSWER** \_\_\_\_\_

**3**  $1 \frac{3}{10} + 2 \frac{4}{10} = \underline{\hspace{2cm}}$

**ANSWER** \_\_\_\_\_

**4**  $5 \frac{1}{6} - 2 \frac{4}{6} = \underline{\hspace{2cm}}$

**ANSWER** \_\_\_\_\_

**5**  $11/12 + 5/12 = \underline{\hspace{2cm}}$

**ANSWER** \_\_\_\_\_

**6**  $3 \frac{2}{8} - 1 \frac{7}{8} = \underline{\hspace{2cm}}$

**ANSWER** \_\_\_\_\_

## APPLY IT Show your work

- 1** Maya's robot club has  $2\frac{3}{8}$  feet of wire. They add  $1\frac{6}{8}$  feet of wire. How many feet of wire do they have now?

WORK SPACE

ANSWER \_\_\_\_\_

- 2** Jordan has  $6\frac{1}{10}$  yards of fabric for a costume. Jordan uses  $2\frac{7}{10}$  yards. How much fabric is left?

WORK SPACE

ANSWER \_\_\_\_\_

## CHALLENGE One step up

### CHALLENGE

Find the value:  $2\frac{5}{6} + 3\frac{4}{6} - 1\frac{7}{6} = \underline{\hspace{2cm}}$

---

---

## PART 1 • PRACTICE

| # | PROBLEM                                                    | ANSWER                            |
|---|------------------------------------------------------------|-----------------------------------|
| 1 | $\frac{4}{7} + \frac{2}{7} = \underline{\hspace{1cm}}$     | <b><math>\frac{6}{7}</math></b>   |
| 2 | $\frac{8}{9} - \frac{5}{9} = \underline{\hspace{1cm}}$     | <b><math>\frac{1}{3}</math></b>   |
| 3 | $1\frac{3}{10} + 2\frac{4}{10} = \underline{\hspace{1cm}}$ | <b><math>3\frac{7}{10}</math></b> |
| 4 | $5\frac{1}{6} - 2\frac{4}{6} = \underline{\hspace{1cm}}$   | <b><math>2\frac{1}{2}</math></b>  |
| 5 | $\frac{11}{12} + \frac{5}{12} = \underline{\hspace{1cm}}$  | <b><math>1\frac{1}{3}</math></b>  |
| 6 | $3\frac{2}{8} - 1\frac{7}{8} = \underline{\hspace{1cm}}$   | <b><math>1\frac{3}{8}</math></b>  |

## PART 2 • APPLY IT

- $4\frac{1}{8}$  feet** Add the whole numbers and fractional parts:  $2\frac{3}{8} + 1\frac{6}{8} = 3\frac{9}{8}$ . Rename  $3\frac{9}{8}$  as  $4\frac{1}{8}$ .
- $3\frac{2}{5}$  yards** Rename  $6\frac{1}{10}$  as  $5\frac{11}{10}$ . Then subtract to get  $3\frac{4}{10}$ , which simplifies to  $3\frac{2}{5}$ .

## CHALLENGE

 **$4\frac{1}{3}$** 

Accept equivalent fraction forms, such as  $3\frac{3}{6}$  for  $3\frac{1}{2}$ . Encourage students to simplify fractional parts and write answers greater than one as mixed numbers.