

Fraction Fix-It

Add and subtract fractions with matching denominators.

GRADE 4 • MA.4.AR.1.2

MA.4.AR.1.2 "Solve real-world problems involving addition and subtraction of fractions with like denominators, including mixed numbers and fractions greater than one."

NAME _____

DATE _____

SAME DENOMINATOR STEPS

When fractions have the same denominator, add or subtract the numerators and keep the denominator. If your answer is greater than one, write it as a mixed number. When subtracting mixed numbers, regroup one whole if the fractional part is too small.

WORKED EXAMPLE

Find $17/8 + 2/8$.

1. Add the numerators: $17 + 2 = 19$.
2. Keep the denominator: $19/8$.
3. Write $19/8$ as $2 \frac{3}{8}$.

Answer: $2 \frac{3}{8}$

PRACTICE 6 problems

1 $1/6 + 4/6 = \underline{\hspace{2cm}}$

ANSWER _____

2 $9/10 - 3/10 = \underline{\hspace{2cm}}$

ANSWER _____

3 $1 \frac{3}{5} + 2 \frac{1}{5} = \underline{\hspace{2cm}}$

ANSWER _____

4 $5 \frac{7}{12} - 2 \frac{4}{12} = \underline{\hspace{2cm}}$

ANSWER _____

5 $11/4 + 1/4 = \underline{\hspace{2cm}}$

ANSWER _____

6 $3 \frac{5}{9} - 1 \frac{8}{9} = \underline{\hspace{2cm}}$

ANSWER _____

APPLY IT Show your work

- 1** At a bike skills event, Jada rode $1\frac{5}{7}$ miles before lunch and $2\frac{4}{7}$ miles after lunch. How many miles did she ride altogether?

WORK SPACE

ANSWER _____

- 2** Noah has $4\frac{11}{15}$ yards of ribbon for a craft project. He uses $2\frac{8}{15}$ yards. How much ribbon is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

The robotics club has $6\frac{5}{11}$ meters of wire. It uses $2\frac{7}{11}$ meters for one robot and $1\frac{8}{11}$ meters for another robot. How many meters of wire are left?

PART 1 • PRACTICE

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

PART 2 • APPLY IT

- 4 2/7 miles** Add the whole numbers and the fractional parts: $1\ 5/7 + 2\ 4/7 = 3\ 9/7 = 4\ 2/7$.
- 2 1/5 yards** Subtract the mixed numbers: $4\ 11/15 - 2\ 8/15 = 2\ 3/15 = 2\ 1/5$.

CHALLENGE

2 1/11 meters

Accept equivalent unsimplified answers, such as $6/10$ for $3/5$ and $1\ 6/9$ for $1\ 2/3$. Students may regroup a whole into equal fractional parts when subtracting.