LESSON MAKER PRO

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 3/8.

Answer: 2 3/8

PRACTICE 6 problems

1 1/6 + 4/6 = ___

ANSWER _____

2 9/10 - 3/10 = ___

ANSWER _____

3 1 3/5 + 2 1/5 = ___

ANSWER _____

4 5 7/12 - 2 4/12 = ___

ANSWER _____

5 11/4 + 1/4 = ___

ANSWER _____

6 3 5/9 - 1 8/9 = ___

ANSWER _____

APPLY IT Show your work

1 At a bike skills event, Jada rode 1 5/7 miles before lunch and 2 4/7 miles after lunch. How many miles did she ride altogether?

WORK SPACE

ANSWER _____

2 Noah has 4 11/15 yards of ribbon for a craft project. He uses 2 8/15 yards. How much ribbon is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

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

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Fix-It

GRADE 4 · MA.4.AR.1.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	1/6 + 4/6 = ___	**5/6**
2	9/10 - 3/10 = ___	**3/5**
3	1 3/5 + 2 1/5 = ___	**3 4/5**
4	5 7/12 - 2 4/12 = ___	**3 1/4**
5	11/4 + 1/4 = ___	**3**
6	3 5/9 - 1 8/9 = ___	**1 6/9**

PART 2 · APPLY IT

1. **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. **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.