LESSON MAKER PRO

Fraction Mission Mix

Add and subtract fractions with like denominators.

GRADE 4 · 4.NF.B.3d

CCSS.Math.Content.4.NF.B.3d "Solve word problems involving addition and subtraction of fractions referring to the same whole and having like denominators, e.g., by using visual fraction models and equations to represent the problem."

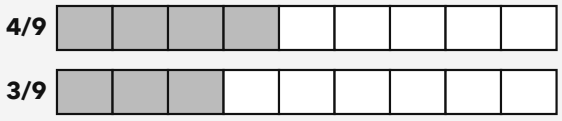
NAME _____ DATE _____

SAME DENOMINATOR, SAME PARTS

When fractions have the same denominator, their wholes are split into equal-size parts. Add or subtract the numerators, keep the denominator the same, and simplify if you can.

WORKED EXAMPLE

Find 4/9 + 3/9.



1. Both fractions name ninths.
2. Add the numerators: 4 + 3 = 7.
3. Keep the denominator: 4/9 + 3/9 = 7/9.

Answer: 7/9

PRACTICE 6 problems

1 Find 2/8 + 5/8.

ANSWER _____

2 Find 9/10 - 6/10.

ANSWER _____

3 Find 1/4 + 2/4. Write the fraction in simplest form.

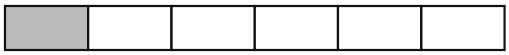
ANSWER _____

4 Find 11/15 - 3/15.

ANSWER _____

5 Use the fraction bars. Find 1/6 + 3/6. Write the fraction in simplest form.

1/6



3/6



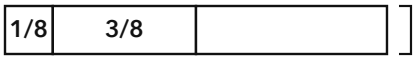
ANSWER _____

6 Find 8/11 - 2/11.

ANSWER _____

APPLY IT Show your work

1 Ava read 1/8 of the same graphic novel on Monday and 3/8 on Tuesday. What fraction of the graphic novel did she read altogether? Use the tape diagram to help. The left 1/8 segment represents Monday, the next 3/8 segment represents Tuesday, and the remaining 4/8 segment is unread.



ANSWER _____

2 Sam colored 11/14 of one poster. Sam erased color from 2/14 of the poster to fix a mistake. What fraction of the poster is still colored?

WORK SPACE

ANSWER _____

CHALLENGE One step up

During a relay game, Rosa ran 4/16 of one track lap, then another 6/16 of the lap. She stepped back 2/16 of the lap to pick up a dropped baton. What fraction of the lap is Rosa from the start? Write an equation and simplify your answer.

WORK SPACE AND ANSWER

ANSWER KEY

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 2/8 + 5/8.	**7/8**
2	Find 9/10 - 6/10.	**3/10**
3	Find 1/4 + 2/4. Write the fraction in simplest form.	**3/4**
4	Find 11/15 - 3/15.	**8/15**
5	Use the fraction bars. Find 1/6 + 3/6. Write the fraction in simplest form.	**2/3**
6	Find 8/11 - 2/11.	**6/11**

PART 2 · APPLY IT

1. **1/2** Add the parts read: 1/8 + 3/8 = 4/8. Simplify 4/8 to 1/2.
2. **9/14** Subtract the erased part from the colored part: 11/14 - 2/14 = 9/14.

CHALLENGE

4/16 + 6/16 - 2/16 = 8/16 = 1/2

Accept equivalent fractions when they are correct, such as 4/8 for 1/2, though simplified forms are shown. For the challenge, accept a correct equation that adds the forward distances and subtracts the distance stepped back.