LESSON MAKER PRO

Pizza and Pieces

Add and subtract fractions with like denominators.

GRADE 4 · 4.NF.B.15.c

4.NF.B.15.c "Solve word problems involving addition and subtraction of fractions and mixed numbers having like denominators, using drawings, visual fraction models, and equations to represent the problem."

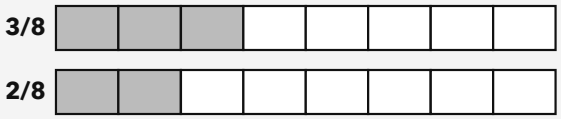
NAME _____ DATE _____

THE BIG IDEA

When denominators are the same, add or subtract the numerators and keep the denominator. With mixed numbers, work with the wholes and fractions, regrouping a whole when needed.

WORKED EXAMPLE

Use the bars to add 3/8 + 2/8.



1. Keep eighths as the unit.
2. Add the numerators: 3 + 2 = 5.

Answer: 3/8 + 2/8 = 5/8

PRACTICE 4 problems

1 Add 1 1/4 + 2/4.

ANSWER _____

2 Subtract 2 5/6 - 1 2/6.

ANSWER _____

3 Add 4/10 + 9/10.

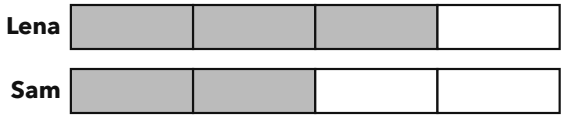
ANSWER _____

4 Subtract 3 7/12 - 1 2/12.

ANSWER _____

APPLY IT Show your work

1 Lena and Sam each start with a pizza. The bars show how much each eats. How much pizza do they eat in all? Write an equation.



ANSWER _____

2 Ava has 3 1/6 yards of ribbon. She uses 1 4/6 yards for a costume. How much ribbon is left? Write an equation.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A class has 3 3/10 yards of string. It uses 1 7/10 yards for posters and 8/10 yard for crafts. How much is left? Write an equation and show how you regroup.

WORK SPACE AND ANSWER

ANSWER KEY

Pizza and Pieces

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Add 1 1/4 + 2/4.	**1 3/4**
2	Subtract 2 5/6 - 1 2/6.	**1 1/2**
3	Add 4/10 + 9/10.	**1 3/10**
4	Subtract 3 7/12 - 1 2/12.	**2 5/12**

PART 2 · APPLY IT

1. **1 1/4 pizzas** 3/4 + 2/4 = 5/4 = 1 1/4 pizzas.
2. **1 1/2 yards** Regroup 3 1/6 as 2 7/6. Then 2 7/6 - 1 4/6 = 1 3/6 = 1 1/2 yards.

CHALLENGE

3 3/10 - 1 7/10 - 8/10 = 8/10 = 4/5 yard. Regroup 3 3/10 as 2 13/10, leaving 1 6/10 after the posters. Regroup 1 6/10 as 16/10, then subtract 8/10 to get 8/10 yard.

Accept equivalent fractions or mixed numbers. In the challenge, accept either order of subtraction if the equation and regrouping are correct.