LESSON MAKER PRO

Fraction Bar Quest

Use fraction bars to add and subtract.

GRADE 4 · 4.N.3.5

4.N.3.5 "Use models to add and subtract fractions with like denominators."

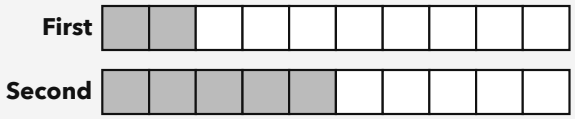
NAME _____ DATE _____

COUNT EQUAL PARTS

A fraction bar splits one whole into equal parts. To add or subtract fractions with the same denominator, count the parts you join or take away, and keep the denominator the same.

WORKED EXAMPLE

Use the bars to find 2/10 + 5/10.

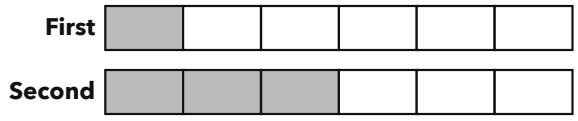


1. Each bar has 10 equal parts.
2. Join the shaded parts: 2 + 5 = 7.
3. Keep the denominator: 7/10.

Answer: 7/10

PRACTICE 6 problems

1 Use the bars to find 1/6 + 3/6.



ANSWER _____

2 Use the bar to find 7/8 - 3/8. You may cross out the parts you take away.



ANSWER _____

3 Use the bars to find 2/9 + 4/9.

First 

Second 

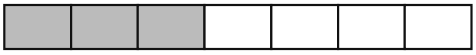
ANSWER _____

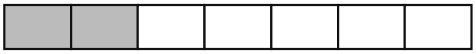
4 Use the bar to find 4/5 - 1/5. You may cross out the part you take away.

Start 

ANSWER _____

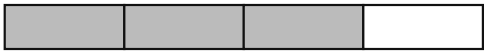
5 Use the bars to find 3/7 + 2/7.

First 

Second 

ANSWER _____

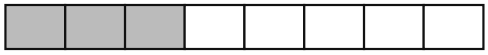
6 Use the bar to find 3/4 - 2/4. You may cross out the parts you take away.

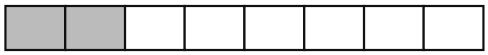
Start 

ANSWER _____

APPLY IT Show your work

1 Mia colored 3/8 of a poster during art club. Then she colored 2/8 more. Use the bars to find how much of the poster she colored altogether.

First 

Then 

ANSWER _____

2 A craft ribbon is 5/6 of a meter long. You cut off 2/6 of a meter to make a bracelet. Use the bar to find how much ribbon is left.

Before cutting 

ANSWER _____

CHALLENGE One step up

A bike path has 8/9 of a mile left to ride. You ride 2/9 of a mile, then 3/9 of a mile more. Use the bar to find how much of the path remains. Show two subtraction steps.

Left to ride 

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Bar Quest

GRADE 4 · 4.N.3.5

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Use the bars to find 1/6 + 3/6.	**4/6**
2	Use the bar to find 7/8 - 3/8. You may cross out the parts you take away.	**4/8**
3	Use the bars to find 2/9 + 4/9.	**6/9**
4	Use the bar to find 4/5 - 1/5. You may cross out the part you take away.	**3/5**
5	Use the bars to find 3/7 + 2/7.	**5/7**
6	Use the bar to find 3/4 - 2/4. You may cross out the parts you take away.	**1/4**

PART 2 · APPLY IT

1. **5/8 of the poster** Join the shaded parts in the two bars. 3/8 + 2/8 = 5/8.
2. **3/6 of a meter** Take away two of the five shaded parts. 5/6 - 2/6 = 3/6 of a meter.

CHALLENGE

8/9 - 2/9 = 6/9; 6/9 - 3/9 = 3/9. There is 3/9 of a mile left.

Accept equivalent fractions, such as 2/3 for 4/6 and 1/3 for 3/9. In the challenge, accept any two correct subtraction steps that show 3/9 of a mile remains.