LESSON MAKER PRO

Fraction Matchup

Rename fractions, then add or subtract.

GRADE 5 · 5.NF.A

CCSS.Math.Content.5.NF.A "Use equivalent fractions as a strategy to add and subtract fractions."

NAME _____ DATE _____

MAKE DENOMINATORS MATCH

To add or subtract fractions with different denominators, rename each fraction using a common denominator. Then add or subtract the numerators, keep the denominator, and simplify when possible.

WORKED EXAMPLE

4/9 + 5/12

1. Find a common denominator: 36.
2. Rename: 4/9 = 16/36 and 5/12 = 15/36.
3. Add: 16/36 + 15/36 = 31/36.

Answer: 31/36

PRACTICE 6 problems

1 1/4 + 2/3 =

ANSWER _____

2 7/8 - 1/6 =

ANSWER _____

3 3/5 + 1/4 =

ANSWER _____

4 7/12 - 1/8 =

ANSWER _____

5 2/7 + 3/14 =

ANSWER _____

6 2 3/4 - 1 2/5 =

ANSWER _____

APPLY IT Show your work

1 Jordan biked 3/4 mile to a friend's house and then biked 2/5 mile to the park. How far did Jordan bike altogether?

WORK SPACE

ANSWER _____

2 Maya spent 2 1/4 hours building a game level. She spent 3/5 hour choosing music for it. How much longer did she spend building the game level?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find the value of 1 1/2 + 3/4 - 2/3. Show how you renamed the fractions before combining them.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Matchup

GRADE 5 · 5.NF.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	1/4 + 2/3 =	**11/12**
2	7/8 - 1/6 =	**17/24**
3	3/5 + 1/4 =	**17/20**
4	7/12 - 1/8 =	**11/24**
5	2/7 + 3/14 =	**1/2**
6	2 3/4 - 1 2/5 =	**1 7/20**

PART 2 · APPLY IT

1. **1 3/20 miles** Rename 3/4 as 15/20 and 2/5 as 8/20. Add to get 23/20, or 1 3/20 miles.
2. **1 13/20 hours** Rename 2 1/4 as 2 5/20 and 3/5 as 12/20. Subtract to get 1 13/20 hours.

CHALLENGE

1 7/12

Accept equivalent simplified answers, including 23/20 for the first word problem. For mixed-number answers, accept an equivalent improper fraction when it is correct.