LESSON MAKER PRO

Fraction Fieldwork

Add and subtract to solve everyday problems.

GRADE 5 · 5.N.3.3

5.N.3.3 "Add and subtract fractions with like and unlike denominators, mixed numbers, and decimals, involving money, measurement, geometry, and data. Use various models and efficient strategies, including but not limited to standard algorithms."

NAME _____ DATE _____

FIND A COMMON UNIT

To add or subtract fractions, rewrite them with the same denominator. Combine the numerators, then simplify. For decimals, line up the decimal points.

WORKED EXAMPLE

Add 3/8 + 1/6.



1. Use 24 as a common denominator.
2. 3/8 = 9/24 and 1/6 = 4/24.
3. 9/24 + 4/24 = 13/24.

Answer: 13/24

PRACTICE 4 problems

1 Add: 2/7 + 3/7 = ___

ANSWER _____

2 Add: 4/9 + 1/3 = ___

ANSWER _____

3 Subtract: 3 1/4 - 1 1/2 = ___

ANSWER _____

4 Subtract: 6.40 - 2.75 = ___

ANSWER _____

APPLY IT Show your work

1 You have $20.00. You buy a puzzle for $7.45 and a card pack for $4.80. How much money is left?

WORK SPACE

ANSWER _____

2 Kai spends the times shown on two hobbies. How many hours does Kai spend in all?

KAI'S SATURDAY

Hobby	Hours
Drawing	3/4
Building	2/5

ANSWER _____

CHALLENGE One step up

Compute 4 1/2 - 1 3/4 - 1 2/5. Show how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Fieldwork

GRADE 5 · 5.N.3.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Add: 2/7 + 3/7 = ___	**5/7**
2	Add: 4/9 + 1/3 = ___	**7/9**
3	Subtract: 3 1/4 - 1 1/2 = ___	**1 3/4**
4	Subtract: 6.40 - 2.75 = ___	**3.65**

PART 2 · APPLY IT

1. **$7.75** The items cost $12.25 altogether. Subtract $12.25 from $20.00.
2. **1 3/20 hours** Rewrite the times as 15/20 and 8/20. Their sum is 23/20, or 1 3/20 hours.

CHALLENGE

1 7/20; 1 3/4 + 1 2/5 = 3 3/20, and 4 1/2 - 3 3/20 = 1 7/20.

Accept equivalent simplified fractions and decimals where appropriate.