LESSON MAKER PRO

Operation Adventure

Use whole-number and fraction operations to solve problems.

GRADE 4 · MA.4.AR.1

MA.4.AR.1 "Represent and solve problems involving the four operations with whole numbers and fractions."

NAME _____ DATE _____

CHOOSE AN OPERATION

Use addition to combine amounts, subtraction to find what is left, multiplication for equal groups, and division for equal shares. When you add or subtract fractions with the same denominator, add or subtract the numerators and keep the denominator.

WORKED EXAMPLE

Find 7/11 + 3/11.

1. Add the numerators: 7 + 3 = 10.
2. Keep the denominator 11.
3. Write 10/11.

Answer: 10/11

PRACTICE 6 problems

1 468 + 257 = ___

ANSWER _____

2 904 - 486 = ___

ANSWER _____

3 64 times 5 = ___

ANSWER _____

4 672 / 6 = ___

ANSWER _____

5 1/8 + 4/8 = ___

ANSWER _____

6 5/8 - 1/8 = ___

ANSWER _____

APPLY IT Show your work

1 At an arcade, 5 friends share 360 tickets equally. Each friend uses 18 tickets to get a prize. How many tickets does each friend have left?

WORK SPACE

ANSWER _____

2 A water bottle is full. Liam drinks 1/6 of the water after soccer and 4/6 of the water later. What fraction of the water is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game club has 6 packs of 45 trading cards. The club gives 54 cards to a school, then shares the rest equally among 4 members. How many cards does each member get?

WORK SPACE AND ANSWER

ANSWER KEY

Operation Adventure

GRADE 4 · MA.4.AR.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	468 + 257 = ___	**725**
2	904 - 486 = ___	**418**
3	64 times 5 = ___	**320**
4	672 / 6 = ___	**112**
5	1/8 + 4/8 = ___	**5/8**
6	5/8 - 1/8 = ___	**1/2**

PART 2 · APPLY IT

1. **54 tickets** Divide 360 by 5 to find that each friend gets 72 tickets. Subtract 18 from 72 to get 54 tickets.
2. **1/6** Add the amounts Liam drank: 1/6 + 4/6 = 5/6. Subtract 5/6 from one whole to get 1/6 left.

CHALLENGE

54 cards

Accept equivalent fractions, such as 4/8 for problem 6. For the challenge, students may show multiplication, subtraction, and division in a different order of written steps as long as the calculations are correct.