LESSON MAKER PRO

Number Mix Mission

Use fractions, decimals, and whole numbers to solve each task.

GRADE 6 · 6.NR.2

6.NR.2 "Apply operations with whole numbers, fractions and decimals within relevant applications."

NAME _____ DATE _____

CHOOSE THE RIGHT STEPS

When adding or subtracting fractions, first rename them with a common denominator. When adding or subtracting decimals, line up the decimal points. Use parentheses first, then multiplication or division, then addition or subtraction.

WORKED EXAMPLE

Find 5/6 + 3/8.

1. Find a common denominator: 6 and 8 both divide into 24.
2. Rewrite: 5/6 = 20/24 and 3/8 = 9/24.
3. Add: 20/24 + 9/24 = 29/24.
4. Write as a mixed number: 29/24 = 1 5/24.

Answer: 1 5/24

PRACTICE 6 problems

1 7/10 + 4/9 = ?

ANSWER _____

2 11/12 - 2/7 = ?

ANSWER _____

3 13/14 * 7/26 = ?

ANSWER _____

4 7.28 / 4 = ?

ANSWER _____

5 2.4 * 3.5 = ?

ANSWER _____

6 21 / 7 + 4 * 9 = ?

ANSWER _____

APPLY IT Show your work

1 Maya has $24.50 saved for an online game. She buys a $7.85 add-on and a $3.40 avatar pack. How much money does she have left?

WORK SPACE

ANSWER _____

2 A team has 7 1/2 liters of sports drink and pours it equally into 4 large bottles. How many liters of sports drink go into each bottle?

WORK SPACE

ANSWER _____

CHALLENGE One step up

The game club buys 7 tournament passes that cost $2.40 each. A $1.80 coupon is taken off the total, and 4 students split the cost equally. How much does each student pay?

WORK SPACE AND ANSWER

ANSWER KEY

Number Mix Mission

GRADE 6 · 6.NR.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	7/10 + 4/9 = ?	**1 13/90**
2	11/12 - 2/7 = ?	**53/84**
3	13/14 * 7/26 = ?	**1/4**
4	7.28 / 4 = ?	**1.82**
5	2.4 * 3.5 = ?	**8.4**
6	21 / 7 + 4 * 9 = ?	**39**

PART 2 · APPLY IT

1. **$13.25** Subtract both costs from the amount saved: 24.50 - 7.85 - 3.40 = 13.25.
2. **1 7/8 liters** Convert 7 1/2 to 15/2. Then (15/2) / 4 = 15/8 = 1 7/8.

CHALLENGE

$3.75

Accept equivalent simplified fractions and either mixed-number or improper-fraction forms where appropriate. For money answers, accept the correct decimal amount with or without a dollar sign.