LESSON MAKER PRO

Operation Mix-Up

Solve with whole numbers and fractions.

GRADE 5 · MA.5.AR.1

MA.5.AR.1 "Solve problems involving the four operations with whole numbers and fractions."

NAME _____ DATE _____

CHOOSE AND SOLVE

Use the operation that matches the problem, and estimate first to check whether your answer makes sense. For fractions, use a common denominator to add or subtract. Multiply straight across to multiply, and to divide, multiply by the second fraction flipped over.

WORKED EXAMPLE

Find 7/12 + 5/18.

1. Find a common denominator: 36.
2. Rewrite: 7/12 = 21/36 and 5/18 = 10/36.
3. Add: 21/36 + 10/36 = 31/36.

Answer: 31/36

PRACTICE 6 problems

1 7,248 + 3,576 =

ANSWER _____

2 9,005 - 2,768 =

ANSWER _____

3 36 × 24 =

ANSWER _____

4 945 ÷ 27 =

ANSWER _____

5 5/8 + 3/4 =

ANSWER _____

6 3/5 × 10/21 =

ANSWER _____

APPLY IT Show your work

1 Nia has 5 1/2 yards of fabric for a costume. She uses 2 1/4 yards for a cape and 3/8 yard for a belt. How many yards of fabric are left?

WORK SPACE

ANSWER _____

2 A maker club has 8 2/3 meters of LED strip. The club divides it equally among 4 display teams. How many meters of LED strip does each team get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A theater club has 12 1/2 yards of ribbon. It uses 3 3/4 yards for costumes, then cuts the rest into 5 equal lengths for props. How many yards of ribbon are in each length?

WORK SPACE AND ANSWER

ANSWER KEY

Operation Mix-Up

GRADE 5 · MA.5.AR.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	7,248 + 3,576 =	**10,824**
2	9,005 - 2,768 =	**6,237**
3	36 × 24 =	**864**
4	945 ÷ 27 =	**35**
5	5/8 + 3/4 =	**1 3/8**
6	3/5 × 10/21 =	**2/7**

PART 2 · APPLY IT

1. **2 7/8 yards** Add the fabric Nia uses: 2 1/4 + 3/8 = 2 5/8. Subtract 2 5/8 from 5 1/2 to get 2 7/8 yards.
2. **2 1/6 meters** Rewrite 8 2/3 as 26/3. Divide by 4: 26/3 ÷ 4 = 26/12 = 2 1/6 meters.

CHALLENGE

1 3/4 yards

Accept equivalent fraction forms, including improper fractions when they are correct. For the challenge, students should subtract first, then divide the remaining ribbon equally.