LESSON MAKER PRO

Fraction Power Quest

Add, subtract, and multiply fractions in real situations.

GRADE 5 · MA.5.AR.1.2

MA.5.AR.1.2 "Solve real-world problems involving the addition, subtraction or multiplication of fractions, including mixed numbers and fractions greater than 1."

NAME _____ DATE _____

CHOOSE THE RIGHT MOVE

To add or subtract fractions, rename them with a common denominator, then combine the numerators. To multiply mixed numbers, first change them to improper fractions, multiply, and simplify the result.

WORKED EXAMPLE

Find 2 2/5 + 3/4.

1. Change 2 2/5 to 12/5.
2. Use a denominator of 20: 12/5 = 48/20 and 3/4 = 15/20.
3. Add: 48/20 + 15/20 = 63/20.
4. Change 63/20 to 3 3/20.

Answer: 3 3/20

PRACTICE 6 problems

1 Find 3/8 + 5/8.

ANSWER _____

2 Find 7/9 - 2/9.

ANSWER _____

3 Find 4/5 x 3/7.

ANSWER _____

4 Find 1 3/6 + 2 1/6.

ANSWER _____

5 Find 6 1/2 - 2 3/8.

ANSWER _____

6 Find 1 1/2 x 2 2/3.

ANSWER _____

APPLY IT Show your work

1 A robotics club uses 1 3/8 meters of blue wire and 2 1/4 meters of red wire. How many meters of wire does the club use altogether?

WORK SPACE

ANSWER _____

2 On a hiking game, Jordan earns 4 2/3 trail miles on Saturday and 1 5/6 trail miles on Sunday. How many trail miles does Jordan earn in all?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A student paints a game-room mural. The background uses 2 1/3 liters of paint. Then the student paints 3 equal panels, using 5/6 liter for each panel. How many liters of paint are used altogether?

_____

_____

ANSWER KEY

Fraction Power Quest

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 3/8 + 5/8.	**1**
2	Find 7/9 - 2/9.	**5/9**
3	Find 4/5 x 3/7.	**12/35**
4	Find 1 3/6 + 2 1/6.	**3 2/3**
5	Find 6 1/2 - 2 3/8.	**4 1/8**
6	Find 1 1/2 x 2 2/3.	**4**

PART 2 · APPLY IT

1. **3 5/8 meters** Rename 2 1/4 as 2 2/8, then add 1 3/8 + 2 2/8. The total is 3 5/8 meters.
2. **6 1/2 trail miles** Rename 4 2/3 as 4 4/6, then add 4 4/6 + 1 5/6. The sum is 6 1/2 trail miles.

CHALLENGE

4 5/6 liters

Accept equivalent fractions, improper fractions, or mixed numbers that have the correct value. Final answers shown are in simplest form.