

Fraction Power Mix

Add, subtract, and multiply fractions with confidence.

GRADE 4 • MA.4.FR.2

MA.4.FR.2 "Build a foundation of addition, subtraction and multiplication operations with fractions."

NAME _____

DATE _____

FRACTION MOVES

To add or subtract fractions with the same denominator, add or subtract the numerators and keep the denominator. To multiply a fraction by a whole number, multiply the numerator by the whole number and keep the denominator. Simplify your answer when you can.

WORKED EXAMPLE

$$7/12 + 5/12 = \underline{\hspace{2cm}}$$

1. The denominators are both 12.
2. Add the numerators: $7 + 5 = 12$.
3. Write $12/12$, then simplify to 1 whole.

Answer: 1

PRACTICE 6 problems

1 $2 * 3/8 = \underline{\hspace{2cm}}$

ANSWER _____

2 $3/10 + 6/10 = \underline{\hspace{2cm}}$

ANSWER _____

3 $8/9 - 2/9 = \underline{\hspace{2cm}}$

ANSWER _____

4 $3 * 2/9 = \underline{\hspace{2cm}}$

ANSWER _____

5 $8/8 - 2/8 = \underline{\hspace{2cm}}$

ANSWER _____

6 $2/6 + 2/6 = \underline{\hspace{2cm}}$

ANSWER _____

APPLY IT Show your work

- 1** In a video game, Jordan fills $\frac{2}{9}$ of a badge meter in one level and $\frac{4}{9}$ in another level. What fraction of the badge meter is filled?

WORK SPACE

ANSWER _____

- 2** At robotics club, 3 teams each use $\frac{2}{8}$ meter of tape. How many meters of tape do the teams use altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Riley has $\frac{8}{9}$ of a sheet of collectible stamps. Riley gives $\frac{2}{9}$ of a sheet to each of 3 friends. What fraction of a sheet is left? Explain how you found your answer.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$2 \times \frac{3}{8} = \underline{\hspace{1cm}}$	$\frac{3}{4}$
2	$\frac{3}{10} + \frac{6}{10} = \underline{\hspace{1cm}}$	$\frac{9}{10}$
3	$\frac{8}{9} - \frac{2}{9} = \underline{\hspace{1cm}}$	$\frac{2}{3}$
4	$3 \times \frac{2}{9} = \underline{\hspace{1cm}}$	$\frac{2}{3}$
5	$\frac{8}{8} - \frac{2}{8} = \underline{\hspace{1cm}}$	$\frac{3}{4}$
6	$\frac{2}{6} + \frac{2}{6} = \underline{\hspace{1cm}}$	$\frac{2}{3}$

PART 2 • APPLY IT

1. **$\frac{2}{3}$** Add $\frac{2}{9}$ and $\frac{4}{9}$ to get $\frac{6}{9}$. Simplify $\frac{6}{9}$ to $\frac{2}{3}$.
2. **$\frac{3}{4}$ meter** Multiply 3 by $\frac{2}{8}$ to get $\frac{6}{8}$ meter. Simplify $\frac{6}{8}$ to $\frac{3}{4}$ meter.

CHALLENGE

$\frac{2}{9}$. Three friends receive $\frac{6}{9}$ altogether, so $\frac{8}{9} - \frac{6}{9} = \frac{2}{9}$.

Accept equivalent fractions that show correct computation, such as $\frac{6}{8}$ for $\frac{3}{4}$ or $\frac{6}{9}$ for $\frac{2}{3}$. The simplified forms shown are the expected answers.