LESSON MAKER PRO

Fractions in Action

Find a fraction of an amount.

GRADE 5 · 5.NF.6

5.NF.6 "Solve real-world problems involving multiplication of fractions and mixed numbers by using visual fraction models or equations to represent the problem."

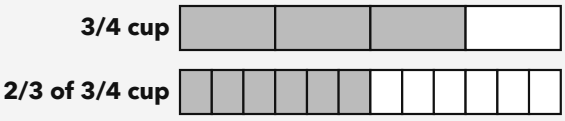
NAME _____ DATE _____

THE BIG IDEA

The word "of" can mean multiply. To multiply fractions, multiply the top numbers, then the bottom numbers. Change mixed numbers to fractions before multiplying.

WORKED EXAMPLE

Find 2/3 of 3/4 cup of paint.



1. Write an equation: 2/3 × 3/4 = ___
2. Multiply: (2 × 3)/(3 × 4) = 6/12
3. Simplify: 6/12 = 1/2

Answer: 1/2 cup

PRACTICE 4 problems

1 Find 1/4 × 2/9.

ANSWER _____

2 Find 5/8 × 4/7.

ANSWER _____

3 Find 1 1/3 × 3/8.

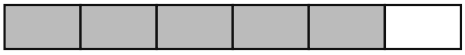
ANSWER _____

4 Find 2 1/2 × 4/5.

ANSWER _____

APPLY IT Show your work

1 A smoothie needs 5/6 cup of yogurt. You make 3/5 of the recipe. How much yogurt do you need? Write an equation.

5/6 cup 

ANSWER _____

2 A game takes 1 1/4 hours to finish. You play 4/5 of the game. How long do you play? Write an equation.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A craft kit has 2 2/3 yards of string. You use 3/4 of it for bracelets. Then you use 1/2 of that string for blue bracelets. How many yards go into blue bracelets? Write two equations.

WORK SPACE AND ANSWER

ANSWER KEY

Fractions in Action

GRADE 5 · 5.NF.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 1/4 × 2/9.	**1/18**
2	Find 5/8 × 4/7.	**5/14**
3	Find 1 1/3 × 3/8.	**1/2**
4	Find 2 1/2 × 4/5.	**2**

PART 2 · APPLY IT

1. **1/2 cup** 3/5 × 5/6 = 15/30 = 1/2 cup.
2. **1 hour** 4/5 × 1 1/4 = 4/5 × 5/4 = 1 hour.

CHALLENGE

2 2/3 × 3/4 = 2 yards; 2 × 1/2 = 1 yard of string for blue bracelets.

Accept equivalent fractions and mixed numbers. For the word problems and challenge, check that each equation matches the amount being found.