LESSON MAKER PRO

Fraction Matchups

Find different fractions for the same amount.

GRADE 3 · 3.NOS.F.13.b

3.NOS.F.13.b "Identify and generate equivalent fractions, (e.g., 1/2 = 2/4, 4/6 = 2/3.) and explain why the fractions are equivalent using concrete materials, drawings, number lines, or equations."

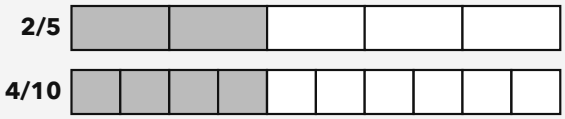
NAME _____ DATE _____

THE BIG IDEA

Equivalent fractions name the same amount. To make an equivalent fraction, multiply or divide the top and bottom numbers by the same number.

WORKED EXAMPLE

Show why 2/5 = 4/10.



1. Each fifth is split into 2 tenths.
2. Multiply the top and bottom by 2.
3. 2/5 = (2 × 2)/(5 × 2) = 4/10.

Answer: 2/5 = 4/10

PRACTICE 4 problems

1 Fill in the blank: 1/3 = ___/6

ANSWER _____

2 Fill in the blank: 3/4 = ___/8

ANSWER _____

3 Fill in the blank: 6/9 = ___/3

ANSWER _____

4 Is 3/6 = 1/2? Show an equation.

ANSWER _____

APPLY IT Show your work

1 Mina shades a party banner as shown. Write the shaded fraction in halves.



ANSWER _____

2 Leo reads 2/3 of a comic. What equal fraction has 12 as its bottom number? Show an equation.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Do these bars show equal amounts? Write both fractions and explain with equations.

A



B



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Matchups

GRADE 3 · 3.NOS.F.13.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Fill in the blank: 1/3 = ___/6	**2**
2	Fill in the blank: 3/4 = ___/8	**6**
3	Fill in the blank: 6/9 = ___/3	**2**
4	Is 3/6 = 1/2? Show an equation.	**Yes. 3/6 = (3 ÷ 3)/(6 ÷ 3) = 1/2.**

PART 2 · APPLY IT

1. **4/8 = 1/2** Four of eight equal parts are shaded. Divide the top and bottom of 4/8 by 4.
2. **2/3 = (2 × 4)/(3 × 4) = 8/12** Multiply the top and bottom of 2/3 by 4.

CHALLENGE

Yes. A shows 4/6 = 2/3, and B shows 6/9 = 2/3. Both show the same amount.

Accept equivalent equations or clear explanations using the fraction bars. For the challenge, students must identify both fractions and show why they are equal.