LESSON MAKER PRO

Fraction Match Lab

Find fractions that name the same amount.

GRADE 4 · 4.NF.A.13.a

4.NF.A.13.a "Apply principles of fraction equivalence to recognize and generate equivalent fractions."

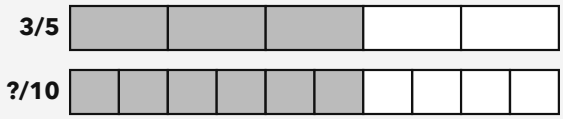
NAME _____ DATE _____

THE BIG IDEA

Equivalent fractions name the same amount. Multiply the numerator and denominator by the same number to make an equivalent fraction.

WORKED EXAMPLE

Complete 3/5 = ____/10.



1. Multiply 5 by 2 to get 10.
2. Multiply 3 by 2 to get 6.

Answer: 3/5 = 6/10

PRACTICE 4 problems

1 Complete 1/8 = ___/16.

ANSWER _____

2 Complete 4/9 = ___/18.

ANSWER _____

3 Complete 7/8 = ___/24.

ANSWER _____

4 Are 8/12 and 16/24 equivalent? Explain.

ANSWER _____

APPLY IT Show your work

1 June fills 9 of 12 spaces on a sticker page. How many spaces should she fill on a page with 24 spaces to cover the same fraction?

WORK SPACE

ANSWER _____

2 Lee wins 12 of 16 arcade rounds. Pat wins 18 of 24 rounds. Do they win the same fraction of rounds? Explain.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A student writes 7/12 = 14/18. Explain the mistake and fix the second fraction.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Match Lab

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Complete 1/8 = ___/16.	**2/16**
2	Complete 4/9 = ___/18.	**8/18**
3	Complete 7/8 = ___/24.	**21/24**
4	Are 8/12 and 16/24 equivalent? Explain.	**Yes. Multiply both 8 and 12 by 2 to get 16/24.**

PART 2 · APPLY IT

1. **18 spaces** The page has twice as many spaces, so multiply 9 by 2 to get 18.
2. **Yes. Both win 3/4 of their rounds.** Divide 12/16 by 4 and 18/24 by 6. Both fractions equal 3/4.

CHALLENGE

The student doubled 7 but not 12. Doubling both gives 7/12 = 14/24.

Accept any explanation that correctly shows both parts of a fraction change by the same factor. For the challenge, the corrected fraction must be 14/24.