LESSON MAKER PRO

Fraction Match-Up

Find fractions that name the same amount.

GRADE 3 · 3.NF.A.3b

CCSS.Math.Content.3.NF.A.3b "Recognize and generate simple equivalent fractions, e.g., 1/2 = 2/4, 4/6 = 2/3. Explain why the fractions are equivalent, e.g., by using a visual fraction model."

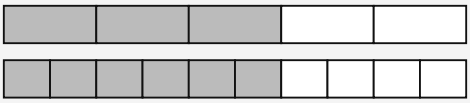
NAME _____ DATE _____

SAME AMOUNT, DIFFERENT NAMES

Equivalent fractions name the same amount. To make an equivalent fraction, multiply the top and bottom numbers by the same number. A fraction model can show that the shaded amount stays the same.

WORKED EXAMPLE

Look at the fraction bars. Write an equation that shows the two shaded amounts are equivalent.

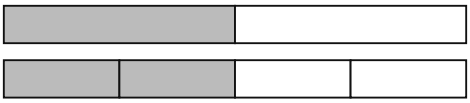


1. The first bar has 3 shaded parts out of 5.
2. The second bar has 6 shaded parts out of 10.
3. Both bars have the same shaded amount.

Answer: 3/5 = 6/10

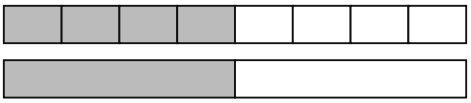
PRACTICE 6 problems

1 Look at the fraction bars. Complete the equation: 1/2 = ___.



ANSWER _____

2 Look at the fraction bars. The top bar shows 4/8. Write the fraction shown by the bottom bar.



ANSWER _____

3 Complete the equivalent fraction: 2/7 = ___/14.

ANSWER _____

4 Complete the equivalent fraction: 4/11 = 8/22.

ANSWER _____

5 Complete the equivalent fraction: 7/14 = ___/2.

ANSWER _____

6 Which fraction is equivalent to 2/9? A. 4/18 B. 7/12 C. 8/14

ANSWER _____

APPLY IT Show your work

1 At art club, 4 of 8 stickers on Kai's page are stars. What fraction of the stickers are stars when the fraction is written in halves?

WORK SPACE

ANSWER _____

2 Noah earned 8 of 14 badges in a game. He groups the badges into pairs. What fraction of the badge pairs did he earn?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Write two different fractions equivalent to 4/7. Explain how you know both fractions are equivalent to 4/7.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Match-Up

GRADE 3 · 3.NF.A.3b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the fraction bars. Complete the equation: 1/2 = ___.	**2/4**
2	Look at the fraction bars. The top bar shows 4/8. Write the fraction shown by the bottom bar.	**1/2**
3	Complete the equivalent fraction: 2/7 = ___/14.	**4/14**
4	Complete the equivalent fraction: 4/11 = 8/22.	**8/22**
5	Complete the equivalent fraction: 7/14 = ___/2.	**1/2**
6	Which fraction is equivalent to 2/9? A. 4/18 B. 7/12 C. 8/14	**4/18**

PART 2 · APPLY IT

1. **1/2** Write the fraction as 4/8. Divide the top and bottom by 4 to get 1/2.
2. **4/7** Group both the earned badges and total badges into pairs. 8/14 becomes 4/7.

CHALLENGE

8/14 and 12/21. Multiply both the top and bottom of 4/7 by 2 to get 8/14, and by 3 to get 12/21.

Accept equivalent fractions only when the numerator and denominator have been multiplied or divided by the same whole number. For the challenge, accept other correct pairs of equivalent fractions with a valid explanation.