LESSON MAKER PRO

Fraction Match-Up

Find fractions that name the same amount.

GRADE 3 · 3.NR.4.4

3.NR.4.4 "Recognize and generate simple equivalent fractions."

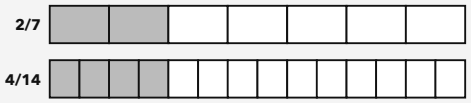
NAME _____ DATE _____

SAME AMOUNT, NEW NUMBERS

Equivalent fractions show the same amount, even when the numbers look different. Multiply the numerator and denominator by the same nonzero whole number to make an equivalent fraction. You can also divide both by the same nonzero whole number when both numbers divide evenly.

WORKED EXAMPLE

Write a fraction equivalent to 2/7 by multiplying the numerator and denominator by 2.



1. Start with 2/7.
2. Multiply the numerator, 2, by 2.
3. Multiply the denominator, 7, by 2.
4. 2/7 = 4/14.

Answer: 4/14

PRACTICE 6 problems

1 Complete: 1/8 = ___/24

ANSWER _____

2 Complete: 9/15 = 3/___

ANSWER _____

3 Complete: 5/8 = 15/___

ANSWER _____

4 Which fraction is equivalent to 5/15, 1/3 or 3/5?

ANSWER _____

5 Write an equation that tells why the two fraction bars show equivalent fractions.



ANSWER _____

6 Are 5/15 and 3/9 equivalent? Write yes or no and tell what both fractions equal.

ANSWER _____

APPLY IT Show your work

1 At music club, 5 of 8 songs on Kai's playlist are favorite songs. A new playlist has 16 songs. How many favorite songs should the new playlist have to keep the same fraction of favorite songs?

WORK SPACE

ANSWER _____

2 Jordan filled 9/12 of a sticker page. Lee filled 6/8 of a sticker page. Did Jordan and Lee fill the same fraction of a page?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Write all the fractions equivalent to 3/5 that have denominators greater than 5 and less than 21.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Match-Up

GRADE 3 · 3.NR.4.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Complete: 1/8 = ___/24	**3**
2	Complete: 9/15 = 3/___	**5**
3	Complete: 5/8 = 15/___	**24**
4	Which fraction is equivalent to 5/15, 1/3 or 3/5?	**1/3**
5	Write an equation that tells why the two fraction bars show equivalent fractions.	**9/12 = 6/8**
6	Are 5/15 and 3/9 equivalent? Write yes or no and tell what both fractions equal.	**Yes. Both equal 1/3.**

PART 2 · APPLY IT

1. **10 favorite songs** Write 5/8 as a fraction with denominator 16. Since 5/8 = 10/16, the new playlist needs 10 favorite songs.
2. **Yes, they both filled 3/4 of a page.** Simplify 9/12 by dividing both numbers by 3, and simplify 6/8 by dividing both numbers by 2. Both fractions equal 3/4.

CHALLENGE

6/10, 9/15, 12/20

Accept any correctly written equivalent equation in the fraction-bar item. For the challenge, accept the three listed fractions in any order.