LESSON MAKER PRO

Fraction Match-Up

Build matching fractions in Practice, Apply, and Challenge.

GRADE 4 · 4.NS.3.e

4.NS.3.e "Represent equivalent fractions with denominators of 12 or less, with and without models.*"

NAME _____ DATE _____

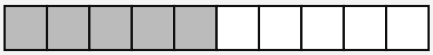
THE BIG IDEA

Equivalent fractions name the same amount. Multiply or divide the numerator and denominator by the same whole number to make an equivalent fraction. You can also use a model to see whether the shaded amounts match.

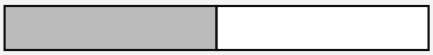
WORKED EXAMPLE

Write an equivalent fraction for 5/10 with denominator 2.

One whole



Same whole



1. Start with 5/10.
2. Divide the numerator, 5, by 5 to get 1.
3. Divide the denominator, 10, by 5 to get 2.

Answer: 5/10 = 1/2

PRACTICE 6 problems

1 Complete the equivalent fraction: 3/4 = ___/8

ANSWER _____

2 Complete the equivalent fraction: 2/3 = ___/9

ANSWER _____

3 The bar is one whole. Write the shaded fraction and an equivalent fraction with denominator 4.

One whole



ANSWER _____

_____

4 Which fraction is equivalent to 4/5? Circle one: A. 6/8 B. 8/10 C. 9/12

ANSWER _____

5 Complete the equivalent fraction: 5/6 = ___/12

ANSWER _____

6 Complete the equivalent fraction: 1/4 = ___/12

ANSWER _____

APPLY IT Show your work

1 In a video game, Jalen has finished 9 of 12 quest levels. Write the fraction of levels he has finished as an equivalent fraction with denominator 4.

WORK SPACE

ANSWER

2 Nora colored 4 of 6 equal panels on her poster. Write the fraction of panels she colored as an equivalent fraction with denominator 3. Draw two same-size whole-poster bars: partition one into sixths and one into thirds. Shade the amounts to show the equivalence and explain why the areas match.

CHALLENGE One step up

Write two different fractions with denominators of 12 or less that are equivalent to 2/3. Explain how you know they are equivalent.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Match-Up

GRADE 4 · 4.NS.3.e

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Complete the equivalent fraction: 3/4 = ___/8	**3/4 = 6/8**
2	Complete the equivalent fraction: 2/3 = ___/9	**2/3 = 6/9**
3	The bar is one whole. Write the shaded fraction and an equivalent fraction with denominator 4.	**6/8 = 3/4**
4	Which fraction is equivalent to 4/5? Circle one: A. 6/8 B. 8/10 C. 9/12	**B. 8/10**
5	Complete the equivalent fraction: 5/6 = ___/12	**5/6 = 10/12**
6	Complete the equivalent fraction: 1/4 = ___/12	**1/4 = 3/12**

PART 2 · APPLY IT

1. **3/4** Start with 9/12. Divide both the numerator and denominator by 3 to get 3/4.
2. **4/6 = 2/3; both equal-size whole bars have the same shaded area. Pairing two sixths makes each third.** Start with 4/6. Divide both the numerator and denominator by 2 to get 2/3. Check fixed equal-size wholes, correct equal partitions and matching shaded amounts.

CHALLENGE

4/6 and 6/9.

Accept any correctly written equivalent equation, even if the fraction is not simplified unless the requested denominator is met. For the challenge, accept any two different correct equivalent fractions with denominators of 12 or less and a valid same-factor explanation.