LESSON MAKER PRO

Fraction Match-Up

Find fractions that name the same amount.

GRADE 3 · MA.3.FR.2.2

MA.3.FR.2.2 "Identify equivalent fractions and explain why they are equivalent."

NAME _____ DATE _____

SAME AMOUNT, DIFFERENT NAMES

Equivalent fractions name the same part of a whole. You can make an equivalent fraction by multiplying the numerator and denominator by the same whole number. You can also divide both numbers by the same whole number when they divide evenly.

WORKED EXAMPLE

Show why 4/7 and 8/14 are equivalent.

1. Start with 4/7.
2. Multiply the numerator 4 by 2 to get 8.
3. Multiply the denominator 7 by the same 2 to get 14.

Answer: 4/7 = 8/14

PRACTICE 6 problems

1 Write = or ≠: 1/2 ___ 3/6

ANSWER _____

2 Complete: 2/3 = ___/9

ANSWER _____

3 Which fraction is equivalent to 3/4? Circle one: 5/8, 6/8, 7/8

ANSWER _____

4 Write a fraction with denominator 10 that is equivalent to 1/2.

ANSWER _____

5 Are 2/5 and 4/10 equivalent? Write yes or no.

ANSWER _____

6 Explain why 3/9 and 1/3 are equivalent.

ANSWER _____

APPLY IT Show your work

1 Ava colored 2/8 of a mural. Eli colored 1/4 of the same-size mural. Did Ava and Eli each color the same fraction of a mural? Explain.

WORK SPACE

ANSWER _____

2 At soccer practice, 4/6 of the team wore blue shirts. At another practice, 2/3 of the team wore blue shirts. Do the fractions show the same part of a team wearing blue? Explain.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A fraction has a denominator of 12 and is equivalent to 1/2. What is its numerator? Explain how you know.

_____

_____

ANSWER KEY

Fraction Match-Up

GRADE 3 · MA.3.FR.2.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write = or ≠: 1/2 ___ 3/6	**=**
2	Complete: 2/3 = ___/9	**6**
3	Which fraction is equivalent to 3/4? Circle one: 5/8, 6/8, 7/8	**6/8**
4	Write a fraction with denominator 10 that is equivalent to 1/2.	**5/10**
5	Are 2/5 and 4/10 equivalent? Write yes or no.	**yes**
6	Explain why 3/9 and 1/3 are equivalent.	**Dividing both the numerator and denominator of 3/9 by 3 gives 1/3.**

PART 2 · APPLY IT

1. **Yes. 2/8 = 1/4, so they each colored the same fraction.** Divide the numerator and denominator of 2/8 by 2. This gives 1/4.
2. **Yes. 4/6 = 2/3, so the fractions show the same part of a team.** Divide the numerator and denominator of 4/6 by 2. This gives 2/3.

CHALLENGE

6. Multiplying both parts of 1/2 by 6 gives 6/12.

Accept any clear explanation that both the numerator and denominator are multiplied or divided by the same number. For problem 4, accept only 5/10 because the denominator must be 10.