LESSON MAKER PRO

Same Size Fractions

Find fractions that name one equal amount.

GRADE 3 · 3.NF.A.3a

CCSS.Math.Content.3.NF.A.3a "Understand two fractions as equivalent (equal) if they are the same size, or the same point on a number line."

NAME _____ DATE _____

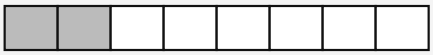
EQUAL AMOUNTS

Equivalent fractions name the same amount of a same-size whole. The parts may be divided differently, but the shaded amount must match.

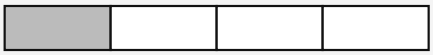
WORKED EXAMPLE

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

Top bar



Bottom bar



1. The top bar has 2 shaded parts out of 8.
2. The bottom bar has 1 shaded part out of 4.
3. The shaded lengths are the same.

Answer: 2/8 = 1/4

PRACTICE 6 problems

1 Look at the fraction bars. Complete the equation: 3/6 = ___.

Top bar



Bottom bar



ANSWER _____

2 Which fraction is equivalent to 2/3? Circle one: 4/6, 3/4, 5/6.

ANSWER _____

3 Write a fraction equivalent to 4/8 with a denominator of 2.

ANSWER _____

4 Which fractions are equivalent to 3/4? Circle all: 6/8, 4/6, 3/8.

ANSWER _____

_____

5 Complete the equivalent fraction: 2/3 = 4/___

ANSWER _____

6 Are 2/4 and 3/6 equivalent? Write yes or no, then show your reasoning with a model or equation.

ANSWER _____

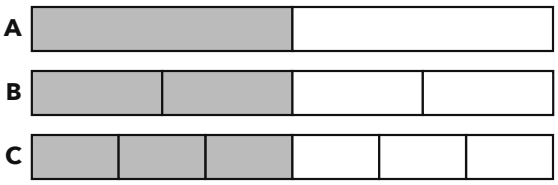
APPLY IT Show your work

1 At art club, Kai colors 3/4 of a same-size poster. Mya colors 6/8 of a same-size poster. Did Kai and Mya color the same amount? Write an equation.

2 In a game, Jada finishes 1/3 of a level. Leo finishes 2/6 of the same level. Did they finish the same amount? Write an equation.

CHALLENGE One step up

Look at the three same-size fraction bars. Write the shaded fraction for A, B, and C. Are all three fractions equivalent? Explain why.



ANSWER KEY

Same Size Fractions

GRADE 3 · 3.NF.A.3a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the fraction bars. Complete the equation: 3/6 = ___.	**1/2**
2	Which fraction is equivalent to 2/3? Circle one: 4/6, 3/4, 5/6.	**4/6**
3	Write a fraction equivalent to 4/8 with a denominator of 2.	**1/2**
4	Which fractions are equivalent to 3/4? Circle all: 6/8, 4/6, 3/8.	**6/8**
5	Complete the equivalent fraction: 2/3 = 4/___	**6**
6	Are 2/4 and 3/6 equivalent? Write yes or no, then show your reasoning with a model or equation.	**Yes. 2/4 = 1/2 = 3/6.**

PART 2 · APPLY IT

1. **Yes. 3/4 = 6/8.** Both fractions name the same amount of a same-size poster.
2. **Yes. 1/3 = 2/6.** Two sixths cover the same amount as one third.

CHALLENGE

A: 1/2; B: 2/4; C: 3/6. All are equivalent because each shades half of the same-size whole.

Accept equivalent equations written in either order. For the challenge, accept explanations that state the shaded parts cover the same amount of each same-size bar.