

Same Size Fractions

Find fractions that name the same amount.

GRADE 3 • NY-3.NF.3.a

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

NAME _____

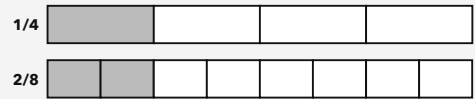
DATE _____

EQUAL AMOUNTS

Equivalent fractions name the same amount of one whole. The pieces may be split in different ways, but the shaded amount can still be equal. Look for fractions that land at the same place on a whole.

WORKED EXAMPLE

Look at the two fraction bars. Do they show equivalent fractions?

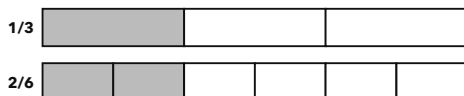


1. The first bar has 1 of 4 equal parts shaded.
2. The second bar has 2 of 8 equal parts shaded.
3. The shaded amounts are the same size.

Answer: Yes, $1/4 = 2/8$.

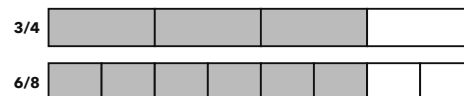
PRACTICE 6 problems

- 1** Look at the fraction bars. Are the fractions equivalent? Write yes or no.



ANSWER _____

- 2** Look at the fraction bars. Write an equation that shows the two equivalent fractions.



ANSWER _____

- 3** Are $1/2$ and $3/6$ equivalent? Write yes or no.

ANSWER _____

- 4** Fill in the blank: $4/8 = \underline{\quad}/2$

ANSWER _____

- 5** Which pair is equivalent? Write the pair. A. $2/3$ and $4/6$ B. $1/3$ and $3/6$

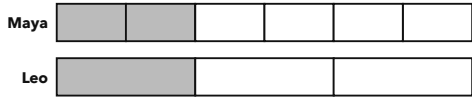
ANSWER _____

- 6** Are $3/8$ and $1/2$ equivalent? Write no, then tell why.

ANSWER _____

APPLY IT Show your work

- 1** At lunch, Maya ate $\frac{2}{6}$ of an equal-sized fruit tray. Leo ate $\frac{1}{3}$ of an equal-sized fruit tray. Did Maya and Leo eat the same amount?



ANSWER _____

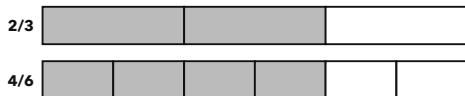
- 2** At art club, Nia covered $\frac{3}{4}$ of her poster with stars. Omar covered $\frac{6}{8}$ of his same-sized poster with stars. Did they cover the same amount?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Two equal-sized ribbons are shown. One has $\frac{2}{3}$ shaded, and the other has $\frac{4}{6}$ shaded. Are the shaded amounts equal? Explain how the bars show your answer.



WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Look at the fraction bars. Are the fractions equivalent? Write yes or no.	Yes.
2	Look at the fraction bars. Write an equation that shows the two equivalent fractions.	$3/4 = 6/8$
3	Are $1/2$ and $3/6$ equivalent? Write yes or no.	Yes.
4	Fill in the blank: $4/8 = \underline{\quad}/2$	1
5	Which pair is equivalent? Write the pair. A. $2/3$ and $4/6$ B. $1/3$ and $3/6$	$2/3$ and $4/6$
6	Are $3/8$ and $1/2$ equivalent? Write no, then tell why.	No. $3/8$ is less than $1/2$.

PART 2 • APPLY IT

- Yes, Maya and Leo ate the same amount. $2/6 = 1/3$.** Compare the shaded parts of the equal-sized trays. Both bars show the same amount shaded.
- Yes, they covered the same amount. $3/4 = 6/8$.** The posters are the same size. Three fourths and six eighths name the same amount.

CHALLENGE

Yes. $2/3 = 4/6$ because the same amount of each equal-sized ribbon is shaded.

Accept equivalent equations written in either order. For explanations, accept statements that the fractions show the same-sized amount of one whole.