LESSON MAKER PRO

Fraction Matchups

Use equal wholes to compare fractions.

GRADE 3 · 3.NOS.F.13

3.NOS.F.13 "Explain equivalence of fractions and compare fractions by reasoning about their size, recognizing that comparisons are valid only when the two fractions refer to the same whole..."

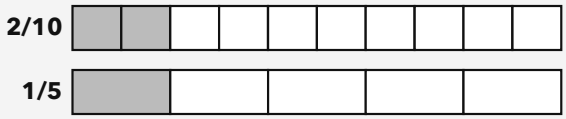
NAME _____ DATE _____

THE BIG IDEA

Fractions can name the same amount when their wholes are the same size. To compare fractions, first check that the wholes match. With the same bottom number, the larger top number means more. With the same top number, the smaller bottom number means more.

WORKED EXAMPLE

Do the shaded parts show equal amounts?



1. Both bars show the same-size whole.
2. The shaded parts are the same length.

Answer: Yes. 2/10 = 1/5.

PRACTICE 4 problems

1 Fill in: 3/4 = ___/8.

ANSWER _____

2 Write >, =, or <: 3/6 ___ 3/8.

ANSWER _____

3 Write >, =, or <: 4/8 ___ 6/8.

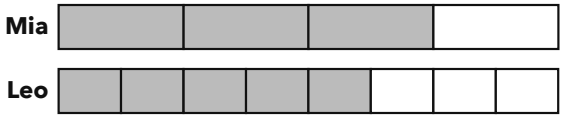
ANSWER _____

4 Fill in: 8/8 = ___.

ANSWER _____

APPLY IT Show your work

1 Mia and Leo each have the same-size snack bar. The models show how much each ate. Who ate more? Write a fraction comparison.



ANSWER _____

2 Ava and Ben have the same-size water bottle. The models show how much each drank. Did they drink equal amounts? Write an equation.



ANSWER _____

CHALLENGE One step up

Nora ate 3/4 of a small pizza. Eli ate 3/8 of a large pizza. Can you tell who ate more? Explain in one sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Matchups

GRADE 3 · 3.NOS.F.13

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Fill in: 3/4 = ___/8.	**6**
2	Write >, =, or <: 3/6 ___ 3/8.	**>**
3	Write >, =, or <: 4/8 ___ 6/8.	**<**
4	Fill in: 8/8 = ___.	**1**

PART 2 · APPLY IT

1. **Mia ate more. 3/4 > 5/8.** Mia ate 3/4, which is 6/8. Since 6/8 > 5/8, Mia ate more.
2. **Yes. 4/6 = 6/9.** Both shaded amounts cover 2/3 of a bottle, so 4/6 = 6/9.

CHALLENGE

No, because the pizzas are different sizes, the fractions alone cannot tell who ate more.

Accept equivalent fractions in the word-problem comparisons. For the challenge, the explanation must note that the wholes are different sizes.