LESSON MAKER PRO

Fraction Detectives

Find equal fractions and compare their sizes.

GRADE 3 · MT.3.NF.3

MT.3.NF.3 "Understand the equivalence of fractions in special cases and compare fractions by reasoning about their size by: Understanding two fractions as equivalent if they are the same size or the same point on a number line..."

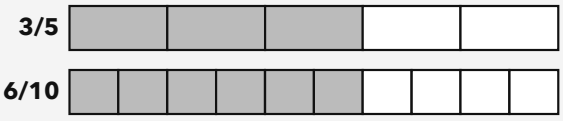
NAME _____ DATE _____

SAME WHOLE, SAME SIZE

Fractions are equivalent when they show the same amount of the same-size whole. To compare fractions, check that the wholes are the same size, then think about how much each fraction shows.

WORKED EXAMPLE

Do the shaded parts show equivalent fractions?



1. The bars are the same size.
2. Each shaded part reaches the same place.

Answer: Yes. 3/5 = 6/10.

PRACTICE 4 problems

1 Fill in the blank: 1/2 = ___/4

ANSWER _____

2 Compare with <, >, or =: 3/8 ___ 5/8

ANSWER _____

3 Compare with <, >, or =: 2/3 ___ 2/7

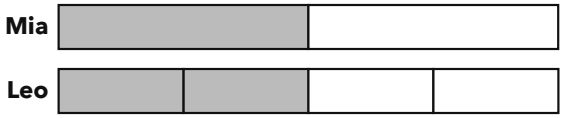
ANSWER _____

4 Write 2 as fourths: 2 = ___/4

ANSWER _____

APPLY IT Show your work

1 Mia and Leo have same-size granola bars. The shaded parts show what they ate. Who ate more, or did they eat the same amount? Explain.



ANSWER _____

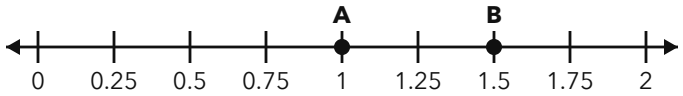
2 Ava uses 3/6 of a sticker sheet. Ben uses 5/6 of a same-size sheet. Who uses more? Write a comparison.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Write A and B as fractions in fourths. Compare them using <, >, or =. Explain.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Detectives

GRADE 3 · MT.3.NF.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Fill in the blank: 1/2 = ___/4	**2**
2	Compare with <, >, or =: 3/8 ___ 5/8	**<**
3	Compare with <, >, or =: 2/3 ___ 2/7	**>**
4	Write 2 as fourths: 2 = ___/4	**8**

PART 2 · APPLY IT

1. **They ate the same amount. 1/2 = 2/4.** The shaded parts of the same-size bars are equal.
2. **Ben uses more. 3/6 < 5/6.** Both sheets are the same size and divided into sixths. Five sixths is more than three sixths.

CHALLENGE

A = 4/4 and B = 6/4. So 4/4 < 6/4 because B is to the right of A.

For the granola bars, accept any explanation that identifies equal shaded amounts. For the challenge, accept a comparison that correctly places 4/4 before 6/4 on the number line.