LESSON MAKER PRO

Fraction Face-Off

Compare fractions by thinking about the size of their parts.

GRADE 3 · 3.NOS.F.13.d

3.NOS.F.13.d "Compare two fractions with the same numerator or the same denominator by reasoning about their size. Record the results of comparisons with the symbols >, =, or <, and justify the conclusions (e.g., by using concrete materials, drawings..."

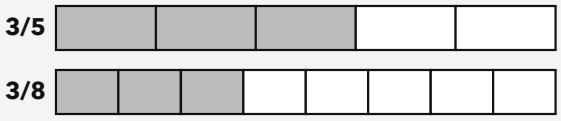
NAME _____ DATE _____

THE BIG IDEA

When fractions have the same numerator, the fraction with fewer equal parts is greater. When fractions have the same denominator, the fraction with more parts is greater.

WORKED EXAMPLE

Compare 3/5 and 3/8. Write >, =, or <.



1. Both bars have 3 shaded parts.
2. Fifths are larger than eighths.

Answer: 3/5 > 3/8

PRACTICE 4 problems

1 Write >, =, or <: 1/4 ___ 1/6

ANSWER _____

2 Write >, =, or <: 2/7 ___ 4/7

ANSWER _____

3 Write >, =, or <: 6/9 ___ 6/10

ANSWER _____

4 Write >, =, or <: 2/12 ___ 4/12

ANSWER _____

APPLY IT Show your work

1 Mia and Leo have equal-size bags of popcorn. Mia eats 2/6 of hers. Leo eats 2/9 of his. Who eats more?

WORK SPACE

ANSWER _____

2 Jay runs 4/7 of a lap. Kim runs 6/7 of the same lap. Who runs farther?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Order these fractions from least to greatest. Explain why.

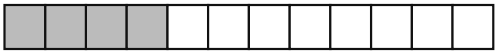
4/6



4/9



4/12



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

GRADE 3 · 3.NOS.F.13.d

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write >, =, or <: 1/4 ___ 1/6	**>**
2	Write >, =, or <: 2/7 ___ 4/7	**<**
3	Write >, =, or <: 6/9 ___ 6/10	**>**
4	Write >, =, or <: 2/12 ___ 4/12	**<**

PART 2 · APPLY IT

1. **Mia** Both ate 2 parts. Sixths are larger than ninths, so 2/6 > 2/9.
2. **Kim** The parts are the same size. Kim runs more of them, so 6/7 > 4/7.

CHALLENGE

4/12 < 4/9 < 4/6. Each fraction has 4 parts, but twelfths are smallest and sixths are largest.

Accept a correct size-based explanation in words or with a drawing for the challenge.