LESSON MAKER PRO

Fraction Face-Off

Compare parts of the same whole.

GRADE 4 · 4.NF.2a

4.NF.2a "Compare two fractions with different numerators and different denominators by creating common denominators or numerators, or by comparing to a benchmark fraction such as 1/2..."

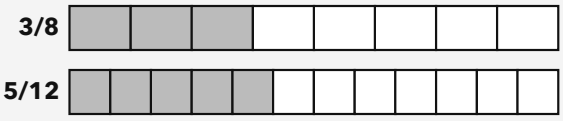
NAME _____ DATE _____

THE BIG IDEA

Compare fractions only when they refer to the same-size whole. Use a common denominator to make equal-size parts, then compare the numerators.

WORKED EXAMPLE

Compare 3/8 and 5/12.



1. 3/8 = 9/24.
2. 5/12 = 10/24.
3. 9/24 < 10/24.

Answer: 3/8 < 5/12

PRACTICE 4 problems

1 Write <, >, or =: 2/7 ___ 4/9

ANSWER _____

2 Write <, >, or =: 4/10 ___ 6/15

ANSWER _____

3 Write <, >, or =: 7/10 ___ 9/14

ANSWER _____

4 Write <, >, or =: 6/7 ___ 10/11

ANSWER _____

APPLY IT Show your work

1 Mia and Leo have equal-size water bottles. Mia fills 7/9 of hers. Leo fills 4/6 of his. Who has more water?

Mia



Leo



ANSWER _____

2 Ari and Jo have graphic novels with the same number of pages. Ari reads 7/10 of one. Jo reads 6/9 of the other. Who reads more pages?

WORK SPACE

ANSWER _____

CHALLENGE One step up

One child eats 6/7 of a small pizza. Another eats 4/9 of a large pizza. Can you tell who ate more pizza? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

GRADE 4 · 4.NF.2a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write <, >, or =: 2/7 ___ 4/9	**<**
2	Write <, >, or =: 4/10 ___ 6/15	**=**
3	Write <, >, or =: 7/10 ___ 9/14	**>**
4	Write <, >, or =: 6/7 ___ 10/11	**<**

PART 2 · APPLY IT

1. **Mia** 7/9 = 14/18 and 4/6 = 12/18, so Mia has more water.
2. **Ari** 7/10 = 63/90 and 6/9 = 60/90, so Ari reads more pages.

CHALLENGE

No. The pizzas are different sizes, so the fractions do not refer to the same whole. Either child could have eaten more.

Accept any correct comparison method. For the challenge, accept an explanation that the pizza sizes are unknown.