LESSON MAKER PRO

Fraction Face-Off

Compare fractions using common denominators or 1/2.

GRADE 4 · 4.NF.2b

4.NF.2b "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. Record the results of comparisons with symbols >, =, or <."

NAME _____ DATE _____

COMPARE THE PARTS

To compare fractions with different denominators, rewrite them with a common denominator. Then compare the numerators: the fraction with the larger numerator is greater. You can also use 1/2 as a benchmark.

WORKED EXAMPLE

Compare 2/3 and 3/5 using <, =, or >.

1. 2/3 = 10/15.
2. 3/5 = 9/15.
3. 10/15 > 9/15.

Answer: 2/3 > 3/5

PRACTICE 6 problems

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

ANSWER _____

2 Write <, =, or >: 5/7 ___ 3/4

ANSWER _____

3 Write <, =, or >: 4/9 ___ 5/12

ANSWER _____

4 Write <, =, or >: 3/10 ___ 1/2

ANSWER _____

5 Write <, =, or >: 6/11 ___ 1/2

ANSWER _____

6 Write <, =, or >: 6/8 ___ 9/12

ANSWER _____

APPLY IT Show your work

1 Maya read 3/8 of her comic book. Leo read 2/5 of his comic book. Who read a greater fraction of their book? Write a comparison using <, =, or >.

WORK SPACE

ANSWER _____

2 During basketball practice, Sam made 4/6 of his shots. Nia made 5/9 of her shots. Who made a greater fraction of their shots? Write a comparison using <, =, or >.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Put 3/6, 5/8, and 7/12 in order from least to greatest. Show how you know using a common denominator.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

GRADE 4 · 4.NF.2b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write <, =, or >: 1/4 ___ 2/7	**1/4 < 2/7**
2	Write <, =, or >: 5/7 ___ 3/4	**5/7 < 3/4**
3	Write <, =, or >: 4/9 ___ 5/12	**4/9 > 5/12**
4	Write <, =, or >: 3/10 ___ 1/2	**3/10 < 1/2**
5	Write <, =, or >: 6/11 ___ 1/2	**6/11 > 1/2**
6	Write <, =, or >: 6/8 ___ 9/12	**6/8 = 9/12**

PART 2 · APPLY IT

1. **Leo; 3/8 < 2/5** Rewrite the fractions as 15/40 and 16/40. Since 15/40 < 16/40, Leo read the greater fraction.
2. **Sam; 4/6 > 5/9** Rewrite the fractions as 12/18 and 10/18. Since 12/18 > 10/18, Sam made the greater fraction.

CHALLENGE

3/6 < 7/12 < 5/8. With a denominator of 24, the fractions are 12/24, 14/24, and 15/24.

Accept any correct method, including common numerators, common denominators, or a comparison with 1/2. The challenge must show a valid common denominator and the correct order.