LESSON MAKER PRO

Fraction Face Off

Compare fractions with the same top number.

GRADE 3 · 3.NS.3.f

3.NS.3.f "Compare two fractions (proper or improper) and/or mixed numbers with like numerators of 2, 3, 4, 5, 6, 8, and 10 … using words (greater than, less than, equal to) and/or symbols … using area/region models, length models, and without models."

NAME _____ DATE _____

SAME TOP NUMBER

Use the same-size whole for every fraction model. When two fractions have the same top number, the fraction with the smaller bottom number is greater. The same number of pieces fills more when each equal piece is larger. For mixed numbers with the same whole number, compare the fraction parts this way.

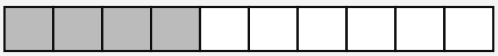
WORKED EXAMPLE

Use the fraction bars. Compare the fractions with >, <, or =.

4/5



4/10



1. Both fractions have 4 as the top number.
2. Fifths are larger equal parts than tenths.
3. Four fifths is more than four tenths.

Answer: 4/5 > 4/10

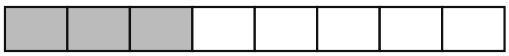
PRACTICE 6 problems

1 Use the fraction bars. Write >, <, or = to compare the fractions.

3/4



3/8



ANSWER _____

2 Use the fraction bars. Write >, <, or = to compare the fractions.

5/6 

5/10 

ANSWER _____

3 Write >, <, or =. 6/8 ___ 6/10

ANSWER _____

4 Write >, <, or =. 1 3/5 ___ 1 3/10

ANSWER _____

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

ANSWER _____

6 Write >, <, or =. 10/10 ___ 10/8

ANSWER _____

APPLY IT Show your work

1 At the park, Jada walked 1 2/4 miles. Mateo walked 1 2/10 miles. Who walked farther? Write a comparison using >, <, or =.

WORK SPACE

ANSWER _____

2 Two paint jars are the same size. One jar is 3/3 full. The other jar is 3/5 full. Which jar is fuller? Write a comparison using >, <, or =.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Put these fractions in order from least to greatest: 4/3, 4/6, 4/8. Then explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face Off

GRADE 3 · 3.NS.3.f

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Use the fraction bars. Write >, <, or = to compare the fractions.	**3/4 > 3/8**
2	Use the fraction bars. Write >, <, or = to compare the fractions.	**5/6 > 5/10**
3	Write >, <, or =. 6/8 ___ 6/10	**6/8 > 6/10**
4	Write >, <, or =. 1 3/5 ___ 1 3/10	**1 3/5 > 1 3/10**
5	Write >, <, or =. 2 2/3 ___ 2 2/6	**2 2/3 > 2 2/6**
6	Write >, <, or =. 10/10 ___ 10/8	**10/10 < 10/8**

PART 2 · APPLY IT

1. **Jada walked farther. 1 2/4 > 1 2/10.** Both students walked 1 whole mile. With 2 as the top number, 2/4 is greater than 2/10.
2. **The jar that is 3/3 full is fuller. 3/3 > 3/5.** Both fractions have 3 as the top number. Thirds are larger equal parts than fifths.

CHALLENGE

4/8 < 4/6 < 4/3. All three fractions have 4 as the top number, so the smaller bottom number makes the greater fraction.

Accept >, <, and = or the matching comparison words. For the challenge explanation, accept reasoning that the same number of larger equal parts makes a greater fraction.