LESSON MAKER PRO

Fraction Face-Off

Compare fractions and mixed numbers with matching denominators.

GRADE 3 · 3.NS.3.g

3.NS.3.g "Compare two fractions (proper or improper) and/or mixed numbers with like denominators 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."

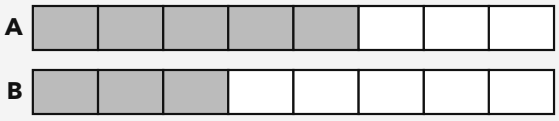
NAME _____ DATE _____

SAME-SIZE PARTS

Use the same-size whole for every fraction model. When fractions have like denominators, the parts are the same size. The fraction with the greater numerator has more shaded parts, so it is greater. Compare the whole numbers first when you compare mixed numbers.

WORKED EXAMPLE

The fraction bars show A and B. Write <, >, or = to compare the fractions.

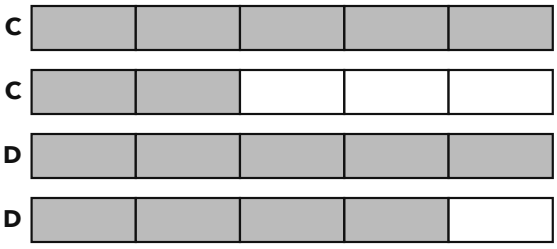


1. A has 5 shaded parts out of 8.
2. B has 3 shaded parts out of 8.
3. Since 5 is greater than 3, A is greater than B.

Answer: 5/8 > 3/8

PRACTICE 6 problems

1 The fraction bars show C and D. Write <, >, or = to compare the mixed numbers.



ANSWER _____

2 The fraction bars show E and F. Write <, >, or = to compare the fractions.

E



F



ANSWER _____

3 Write <, >, or =. 9/4 ___ 7/4

ANSWER _____

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

ANSWER _____

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

ANSWER _____

6 Write <, >, or =. 5/6 ___ 7/6

ANSWER _____

APPLY IT Show your work

1 Maya rode her bike 3/4 mile on Saturday. Leo rode his bike 2/4 mile on Saturday. Write a comparison to show whose distance was greater.

WORK SPACE

ANSWER _____

2 At the school garden, Jada filled 1 4/6 watering cans. Ben filled 1 2/6 watering cans. Write a comparison to show who filled more watering cans.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Write exactly two sentences to compare 2 5/8 and 3 1/8. Use a comparison symbol in your first sentence and explain your reasoning in your second sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

GRADE 3 · 3.NS.3.g

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	The fraction bars show C and D. Write <, >, or = to compare the mixed numbers.	**1 2/5 < 1 4/5**
2	The fraction bars show E and F. Write <, >, or = to compare the fractions.	**2/4 < 3/4**
3	Write <, >, or =. 9/4 ___ 7/4	**9/4 > 7/4**
4	Write <, >, or =. 2 1/3 ___ 1 2/3	**2 1/3 > 1 2/3**
5	Write <, >, or =. 6/10 ___ 6/10	**6/10 = 6/10**
6	Write <, >, or =. 5/6 ___ 7/6	**5/6 < 7/6**

PART 2 · APPLY IT

1. **3/4 > 2/4** Both distances are divided into fourths. Since 3 is greater than 2, Maya rode farther.
2. **1 4/6 > 1 2/6** Both students filled 1 whole watering can. Jada filled 4 sixths more, and Ben filled 2 sixths more, so Jada filled more.

CHALLENGE

2 5/8 < 3 1/8. Three wholes are greater than two wholes, so the eighths do not change the comparison.

Accept the correct comparison word in place of a symbol when the item asks for a comparison. For the challenge, accept any accurate two-sentence explanation that compares the whole-number parts correctly.