LESSON MAKER PRO

Fraction Face-Off

Compare fractions that name the same whole.

GRADE 4 · 4.NF.A.2

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

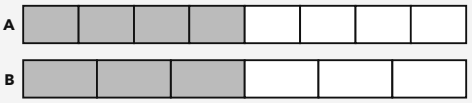
NAME _____ DATE _____

COMPARE FAIRLY

You can compare fractions only when they describe the same-size whole. Make common denominators, compare each fraction to 1/2, or use a fraction model to decide which fraction is greater.

WORKED EXAMPLE

The bars show the same-size wholes. Compare the shaded fractions.



1. Bar A has 4 of 8 parts shaded, so it shows 4/8.
2. Bar B has 3 of 6 parts shaded, so it shows 3/6.
3. Both fractions equal 1/2.
4. Write an equal sign between the fractions.

Answer: 4/8 = 3/6

PRACTICE 6 problems

1 Look at the shaded bars. Write the fraction for each bar. Then compare the fractions.



ANSWER _____

2 Look at the shaded bars. Compare the fractions with >, <, or =.



ANSWER _____

3 Compare 1/2 and 5/9. Write >, <, or =.

ANSWER _____

4 Compare 1/7 and 2/13. Write >, <, or =.

ANSWER _____

5 Compare 5/12 and 7/15. Write >, <, or =.

ANSWER _____

6 Compare 7/12 and 9/16. Write >, <, or =. Show equivalent fractions with a common denominator.

ANSWER _____

APPLY IT Show your work

1 Ava finished 5/13 of her mystery book. Noah finished 7/17 of the same book. Who finished more of the book? Write a comparison statement.

WORK SPACE

ANSWER _____

2 Two same-size pizzas were cut into equal slices. Jada ate 7/10 of one pizza. Mateo ate 9/14 of the other pizza. Who ate more pizza? Write a comparison statement.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Compare 11/17 and 11/19. Write >, <, or =. Then explain why your comparison makes sense.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

GRADE 4 · 4.NF.A.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the shaded bars. Write the fraction for each bar. Then compare the fractions.	**2/5 < 3/7**
2	Look at the shaded bars. Compare the fractions with >, <, or =.	**5/9 < 7/11**
3	Compare 1/2 and 5/9. Write >, <, or =.	**1/2 < 5/9**
4	Compare 1/7 and 2/13. Write >, <, or =.	**1/7 < 2/13**
5	Compare 5/12 and 7/15. Write >, <, or =.	**5/12 < 7/15**
6	Compare 7/12 and 9/16. Write >, <, or =. Show equivalent fractions with a common denominator.	**7/12 > 9/16; 7/12 = 28/48 and 9/16 = 27/48**

PART 2 · APPLY IT

1. **Noah finished more. 5/13 < 7/17.** Use 221 as a common denominator. 5/13 = 85/221 and 7/17 = 91/221, so Noah's fraction is greater.
2. **Jada ate more. 7/10 > 9/14.** Use 70 as a common denominator. 7/10 = 49/70 and 9/14 = 45/70, so Jada's fraction is greater.

CHALLENGE

11/17 > 11/19. Both fractions have 11 parts, but seventeenths are larger pieces than nineteenths.

Accept equivalent fraction comparisons and correct visual or benchmark reasoning. For written explanations, accept any accurate statement that the fractions refer to the same whole and supports the comparison.