LESSON MAKER PRO

# Fraction Face-Off

*Compare fractions using parts and benchmarks.*

**GRADE 4 · 4.NOS.D.10.a**

**4.NOS.D.10.a** "Use benchmark numbers (e.g., 1/2, 1), common numerators, and common denominators to compare."

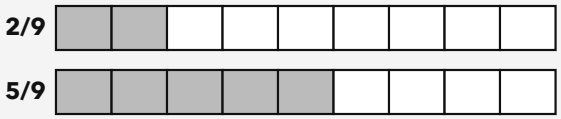
NAME _____ DATE _____

## WAYS TO COMPARE

If two fractions have the same denominator, compare their numerators. If they have the same numerator, the fraction with the smaller denominator is greater. You can also use 1/2 or 1 to help you compare.

## WORKED EXAMPLE

Compare 2/9 and 5/9.




1. Both bars have 9 equal parts.
2. 5 shaded parts is more than 2 shaded parts.

**Answer: 2/9 < 5/9**

## PRACTICE 4 problems

**1** Write <, >, or =: 3/8 ___ 3/6

**ANSWER** _____

**2** Write <, >, or =: 4/10 ___ 7/10

**ANSWER** _____

**3** Write <, >, or =: 5/12 ___ 1/2

**ANSWER** _____

**4** Write <, >, or =: 8/8 ___ 7/8

**ANSWER** _____

## APPLY IT Show your work

**1** Mia and Jay each have the same-size pizza. The bars show what is left. Who has more pizza left?

**Mia 5/8**



**Jay 3/4**



**ANSWER** _____

**2** Ava read 4/6 of her comic. Ben read 4/7 of his comic. Who read a greater fraction?

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

Order 3/8, 5/12, and 7/8 from least to greatest. Explain how you compared the two fractions below 1/2.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Fraction Face-Off

**GRADE 4 · 4.NOS.D.10.a**

## PART 1 · PRACTICE

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

## PART 2 · APPLY IT

1. **Jay** 3/4 = 6/8, and 6/8 > 5/8.
2. **Ava** The numerators match. Sixth-sized parts are larger than seventh-sized parts, so 4/6 > 4/7.

## CHALLENGE

**3/8 < 5/12 < 7/8. Both 3/8 and 5/12 are below 1/2. Since 3/8 = 9/24 and 5/12 = 10/24, 3/8 is less.**

Accept correct comparisons supported by equivalent fractions or benchmarks.