LESSON MAKER PRO

Fraction Face-Off

Compare fraction sizes and spot equal fractions.

GRADE 3 · 3.NF.A.3

CCSS.Math.Content.3.NF.A.3 "Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size."

NAME _____ DATE _____

COMPARE FRACTION SIZES

Fractions can be equivalent when they name the same amount. When fractions have the same denominator, the larger numerator names more parts. When fractions have the same numerator, the smaller denominator means each part is larger. Comparisons of parts assume the same-size whole.

WORKED EXAMPLE

Show that 4/8 and 1/2 are equivalent.

1. Four of eight equal parts cover half of a whole.
2. Divide both numerator and denominator by 4: 4/8 = 1/2.
3. Both fractions name the same amount.

Answer: 4/8 = 1/2

PRACTICE 6 problems

1 Write <, >, or =: 3/6 __ 4/6

ANSWER _____

2 Write <, >, or =: 3/4 __ 3/8

ANSWER _____

3 Fill the blank: 4/6 = ___/3

ANSWER _____

4 Write <, >, or =. 5/6 __ 4/6

ANSWER _____

5 Write <, >, or =: 2/3 __ 2/6

ANSWER _____

6 Which fraction equals 6/8? Circle one: 3/4, 5/8, 2/6.

ANSWER _____

APPLY IT Show your work

1 Eli finishes 3/4 of a puzzle. Noor finishes 3/8 of an identical puzzle. Who finishes more?

WORK SPACE

ANSWER

2 Ava reads 4/6 of a comic. Bo reads 2/3 of an identical comic. Do they read the same amount?

WORK SPACE

ANSWER

CHALLENGE One step up

Nia says 5/8 > 5/6 because 8 > 6. Is she correct? Explain using the same whole.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write <, >, or =: 3/6 __ 4/6	**<**
2	Write <, >, or =: 3/4 __ 3/8	**>**
3	Fill the blank: 4/6 = ___/3	**2**
4	Write <, >, or =. 5/6 __ 4/6	**>**
5	Write <, >, or =: 2/3 __ 2/6	**>**
6	Which fraction equals 6/8? Circle one: 3/4, 5/8, 2/6.	**3/4**

PART 2 · APPLY IT

1. **Eli: 3/4 > 3/8.** With the same whole and numerator, fourths are larger than eighths.
2. **Yes.** 4/6 = 2/3: both cover the same part of an identical whole.

CHALLENGE

No. 5/8 < 5/6. Eighths are smaller than sixths; five of the smaller parts cover less of the same whole.

Accept comparison symbols or matching words, such as greater than and less than. For the challenge, accept explanations that state that a smaller denominator makes larger equal-size parts when the numerators are the same.