LESSON MAKER PRO

Fraction Face-Off

Compare fractions and show why.

GRADE 4 · 4.NOS.D.10.c

4.NOS.D.10.c "Justify comparisons using representations and reasoning."

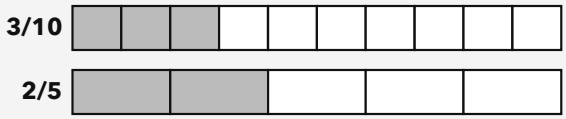
NAME _____ DATE _____

MAKE EQUAL PARTS

To compare fractions of the same whole, rewrite them with the same denominator. Then compare the numerators. Fraction bars can help you see the equal-sized parts.

WORKED EXAMPLE

Compare 3/10 and 2/5.



1. Each bar shows the same whole.
2. 2/5 = 4/10.
3. 3/10 < 4/10.

Answer: 3/10 < 2/5

PRACTICE 4 problems

1 Compare 2/3 and 3/6. Show sixths to explain.

ANSWER _____

2 Compare 3/5 and 7/10. Show tenths to explain.

ANSWER _____

3 Compare 5/6 and 3/4. Show twelfths to explain.

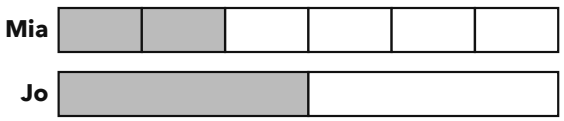
ANSWER _____

4 Compare 4/8 and 2/3. Show sixths to explain.

ANSWER _____

APPLY IT Show your work

1 Mia colors 2/6 of a mural strip. Jo colors 1/2 of an equal strip. Who colors more? Use the bars to explain.



ANSWER _____

2 Ava fills 5/8 of a game progress bar. Ben fills 3/4 of an equal bar. Who fills more? Show eighths to explain.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Order 3/8, 5/12, and 1/2 from least to greatest. Show twenty-fourths to justify your order.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Face-Off

GRADE 4 · 4.NOS.D.10.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Compare 2/3 and 3/6. Show sixths to explain.	**2/3 > 3/6 because 2/3 = 4/6, and 4/6 > 3/6.**
2	Compare 3/5 and 7/10. Show tenths to explain.	**3/5 < 7/10 because 3/5 = 6/10, and 6/10 < 7/10.**
3	Compare 5/6 and 3/4. Show twelfths to explain.	**5/6 > 3/4 because 10/12 > 9/12.**
4	Compare 4/8 and 2/3. Show sixths to explain.	**4/8 < 2/3 because 4/8 = 3/6, and 2/3 = 4/6.**

PART 2 · APPLY IT

1. **Jo colors more because 1/2 = 3/6, and 3/6 > 2/6.** Compare equal-sized sixths. Jo colors 3/6 of her strip, while Mia colors 2/6.
2. **Ben fills more because 3/4 = 6/8, and 6/8 > 5/8.** Rewrite Ben's fraction as 6/8, then compare it with Ava's 5/8.

CHALLENGE

3/8 < 5/12 < 1/2 because 9/24 < 10/24 < 12/24.

Accept other correct comparisons supported by equal-sized parts or equivalent fractions.