LESSON MAKER PRO

Fraction Model Match

Use models to name the same amount in different ways.

GRADE 3 · 3.NS.3.h

3.NS.3.h "Represent equivalent fractions with denominators of 2, 3, 4, 5, 6, 8, or 10, using region/area models and length models."

NAME _____ DATE _____

SAME AMOUNT, NEW NAME

Equivalent fractions name the same amount of one whole. When a whole is split into more equal parts, you need more parts to show the same amount. For example, 1/4 = 2/8.

WORKED EXAMPLE

Look at the two fraction bars. Write an equation that shows the fractions are equivalent.

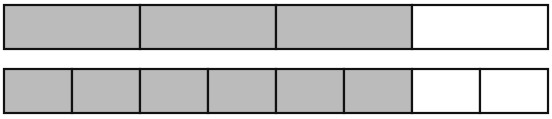


1. Count 3 shaded parts out of 5 in the first bar.
2. Count 6 shaded parts out of 10 in the second bar.
3. The shaded lengths match, so the fractions name the same amount.

Answer: 3/5 = 6/10

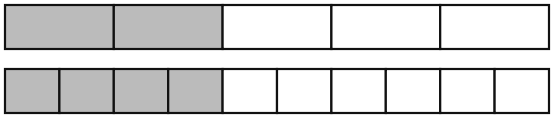
PRACTICE 6 problems

1 Look at the fraction bars. Complete the equation.



ANSWER _____

2 Look at the fraction bars. Complete the equation.



ANSWER _____

3 Complete the equivalent fraction: 1/2 = ___/4

ANSWER _____

4 Complete the equivalent fraction: 1/3 = ___/6

ANSWER _____

5 Complete the equivalent fraction: 2/3 = ___/6

ANSWER _____

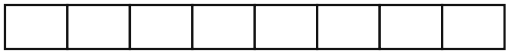
6 Complete the equivalent fraction: 4/5 = ___/10

ANSWER _____

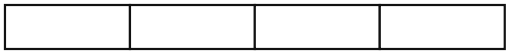
APPLY IT Show your work

1 The two blank bars are the same-size whole banner. Shade 6/8 in the top bar and 3/4 in the bottom. Are they equivalent? Write an equation and explain using the shaded area.

6/8



3/4



ANSWER

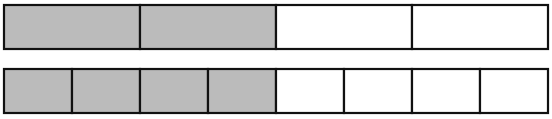
2 A bike trail is split into 6 equal sections. Mila rides 2 sections before stopping for water. What fraction with denominator 3 names the part she rode?

WORK SPACE

ANSWER

CHALLENGE One step up

Look at the fraction bars. Ben says 2/4 and 4/8 are not equivalent because they use different numbers. Is Ben correct? Explain using the shaded amount.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Model Match

GRADE 3 · 3.NS.3.h

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the fraction bars. Complete the equation.	**3/4 = 6/8**
2	Look at the fraction bars. Complete the equation.	**2/5 = 4/10**
3	Complete the equivalent fraction: 1/2 = ___/4	**2 (1/2 = 2/4)**
4	Complete the equivalent fraction: 1/3 = ___/6	**2 (1/3 = 2/6)**
5	Complete the equivalent fraction: 2/3 = ___/6	**4 (2/3 = 4/6)**
6	Complete the equivalent fraction: 4/5 = ___/10	**8 (4/5 = 8/10)**

PART 2 · APPLY IT

1. **Yes, 6/8 = 3/4.** The shaded regions cover the same area of equal-size wholes. Each fourth contains two eighths, so 6/8 = 3/4.
2. **1/3** The trail is one whole length. Combine its six equal-length sections in pairs; two sixths cover one of three equal lengths, so 2/6 = 1/3.

CHALLENGE

No. Both bars have 1/2 shaded, so 2/4 = 4/8.

Accept equivalent equations written in either order. For the challenge, accept explanations that state both bars show the same shaded amount, one half.