LESSON MAKER PRO

Same Size Shares

Find fractions that show the same amount.

GRADE 3 · 3.NOS.F.13.a

3.NOS.F.13.a "Represent two fractions as equivalent if they are the same size, or they represent the same point on the number line."

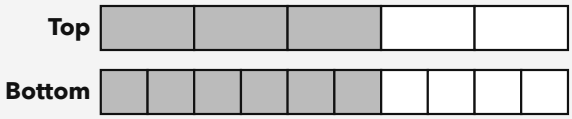
NAME _____ DATE _____

THE BIG IDEA

Equivalent fractions show the same amount of one whole. You can cut each equal part into smaller equal parts without changing the shaded amount.

WORKED EXAMPLE

Do the bars show equivalent fractions?



1. The top bar shows 3/5.
2. The bottom bar shows 6/10.
3. The shaded lengths match.

Answer: Yes, 3/5 = 6/10.

PRACTICE 4 problems

1 Fill in the blank: 1/2 = ___/8

ANSWER _____

2 Fill in the blank: 1/4 = ___/8

ANSWER _____

3 Fill in the blank: 1/7 = ___/14

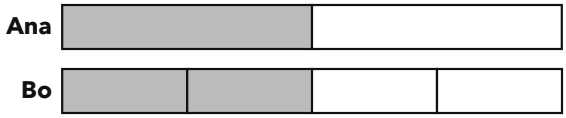
ANSWER _____

4 Fill in the blank: 2/7 = ___/14

ANSWER _____

APPLY IT Show your work

1 Ana and Bo have equal-size pizzas. Each eats the shaded share. Did they eat the same amount?



ANSWER _____

2 Mia and Lee have equal-size sticker strips. Is the shaded share the same on both strips?



ANSWER _____

CHALLENGE One step up

A classmate says 2/9 and 4/18 cannot be equal because 18 is larger than 9. Explain in one sentence why the fractions are equivalent.

WORK SPACE AND ANSWER

ANSWER KEY

Same Size Shares

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Fill in the blank: 1/2 = ___/8	**4**
2	Fill in the blank: 1/4 = ___/8	**2**
3	Fill in the blank: 1/7 = ___/14	**2**
4	Fill in the blank: 2/7 = ___/14	**4**

PART 2 · APPLY IT

1. **Yes. Each ate 1/2 of a pizza.** The shaded lengths match, so 1/2 = 2/4.
2. **Yes. Both shaded shares are 1/4 of a strip.** The shaded lengths match, so 1/4 = 2/8.

CHALLENGE

Each ninth is split into two equal parts, so 2/9 and 4/18 show the same amount.

For the challenge, accept any one-sentence explanation that correctly shows why doubling both parts of 2/9 gives 4/18.