

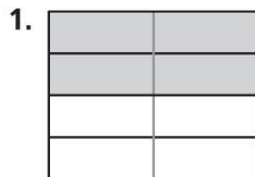
Name \_\_\_\_\_

## Model Equivalent Fractions

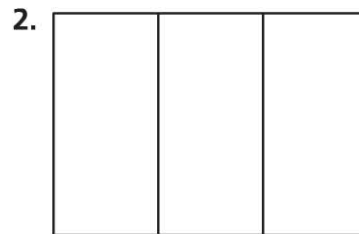
COMMON CORE STANDARD CC.3.NF.3a

Develop understanding of fractions as numbers.

Shade the model. Then divide the pieces to find the equivalent fraction.

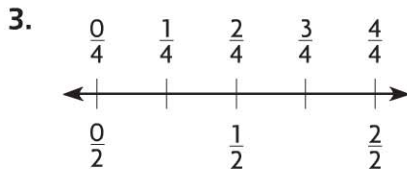


$$\frac{2}{4} = \frac{4}{8}$$

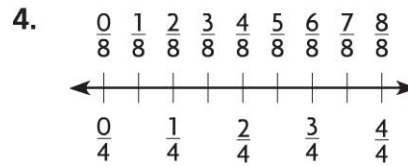


$$\frac{1}{3} = \frac{\square}{6}$$

Use the number line to find the equivalent fraction.



$$\frac{1}{2} = \frac{\square}{4}$$



$$\frac{3}{4} = \frac{\square}{8}$$

### Problem Solving



5. Mike says that  $\frac{3}{3}$  of his fraction model is shaded blue. Ryan says that  $\frac{6}{6}$  of the same model is shaded blue. Are the two fractions equivalent? If so, what is another equivalent fraction?

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6. Brett shaded  $\frac{4}{8}$  of a sheet of notebook paper. Aisha says he shaded  $\frac{1}{2}$  of the paper. Are the two fractions equivalent? If so, what is another equivalent fraction?

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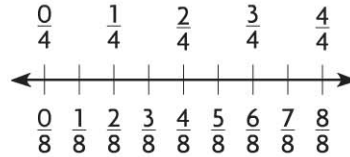
**Lesson Check** (CC.3.NF.3a)

1. Find the fraction equivalent to  $\frac{2}{3}$ .



- (A)  $\frac{3}{2}$                       (C)  $\frac{3}{6}$   
 (B)  $\frac{4}{6}$                       (D)  $\frac{1}{3}$

2. Find the fraction equivalent to  $\frac{1}{4}$ .



- (A)  $\frac{1}{2}$                       (C)  $\frac{2}{8}$   
 (B)  $\frac{2}{4}$                       (D)  $\frac{6}{8}$

**Spiral Review** (CC.3.OA.3, CC.3.OA.7, CC.3.NF.1)

3. Eric practiced piano and guitar for a total of 8 hours this week. He practiced the piano for  $\frac{1}{4}$  of that time. How many hours did Eric practice the piano this week?

(Lesson 8.8)

- (A) 6 hours                      (C) 3 hours  
 (B) 4 hours                      (D) 2 hours

4. Kylee bought a pack of 12 cookies. One-third of the cookies are peanut butter. How many of the cookies in the pack are peanut butter? (Lesson 8.8)

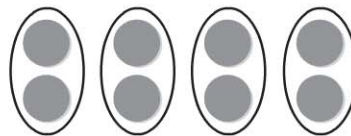
- (A) 9                              (C) 4  
 (B) 6                              (D) 3

5. There are 56 students going to the game. The coach puts 7 students in each van. Which number sentence can be used to find how many vans are needed to take the students to the game? (Lesson 7.7)

- (A)  $56 + 7 = \blacksquare$   
 (B)  $\blacksquare + 7 = 56$   
 (C)  $\blacksquare \times 7 = 56$   
 (D)  $56 - 7 = \blacksquare$

6. Which number sentence can be used to describe the picture?

(Lesson 7.1)



- (A)  $2 + 4 = 6$   
 (B)  $4 - 2 = 2$   
 (C)  $4 \times 1 = 4$   
 (D)  $8 \div 2 = 4$