Name _____

Connect Fractions to Division

COMMON CORE STANDARD CC.5.NF.3

Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Complete the number sentence to solve.

1. Six students share 8 apples equally. How many apples does each student get?

   $8 \div 6 =$ $\frac{8}{6}$, or $1\frac{1}{3}$

2. Ten boys share 7 cereal bars equally. What fraction of a cereal bar does each boy get?

   $7 \div 10 =$ $\frac{7}{10}$

3. Eight friends share 12 pies equally. How many pies does each friend get?

   $12 \div 8 =$ $\frac{12}{8}$, or $1\frac{1}{2}$

4. Three girls share 8 yards of fabric equally. How many yards of fabric does each girl get?

   $8 \div 3 =$ $\frac{8}{3}$, or $2\frac{2}{3}$

5. Five bakers share 2 loaves of bread equally. What fraction of a loaf of bread does each baker get?

   $2 \div 5 =$ $\frac{2}{5}$

6. Nine friends share 6 cookies equally. What fraction of a cookie does each friend get?

   $6 \div 9 =$ $\frac{6}{9}$, or $\frac{2}{3}$

7. Twelve students share 3 pizzas equally. What fraction of a pizza does each student get?

   $3 \div 12 =$ $\frac{3}{12}$, or $\frac{1}{4}$

8. Three sisters share 5 sandwiches equally. How many sandwiches does each sister get?

   $5 \div 3 =$ $\frac{5}{3}$, or $1\frac{2}{3}$

Problem Solving REAL WORLD

9. There are 12 students in a jewelry-making class and 8 sets of charms. What fraction of a set of charms will each student get?

   Each student will get $\frac{2}{3}$ of a set.

10. Five friends share 6 cheesecakes equally. How many cheesecakes will each friend get?

    Each friend will get $1\frac{1}{5}$ cheesecakes.

TEST PREP

Lesson Check (CC.5.NF.3)

1. Eight friends share 4 bunches of grapes equally. What fraction of a bunch of grapes does each friend get?

   Ⓐ $\frac{1}{8}$

   Ⓑ $\frac{1}{4}$

   ● $\frac{1}{2}$

   Ⓓ 2

2. Ten students share 8 pieces of poster board equally. What fraction of a piece of poster board does each student get?

   Ⓐ $1\frac{4}{5}$

   Ⓑ $1\frac{1}{4}$

   ● $\frac{4}{5}$

   Ⓓ $\frac{5}{9}$

Spiral Review (CC.5.NBT.6, CC.5.NBT.7, CC.5.NF.7a, CC.5.NF.7b)

3. Arturo has a log that is 4 yards long. He cuts the log into pieces that are $\frac{1}{3}$-yard long. How many pieces will Arturo have? **(Lesson 8.1)**

   Ⓐ $\frac{3}{4}$

   Ⓑ $\frac{4}{3}$

   Ⓒ 6

   ● 12

4. Vu has 2 pizzas that he cuts into sixths. How many $\frac{1}{6}$-size pieces does he have? **(Lesson 8.2)**

   ● 12

   Ⓑ 6

   Ⓒ 3

   Ⓓ $\frac{1}{3}$

5. Kayaks rent for $35 per day. Which expression can you use to find the cost in dollars of renting 3 kayaks for a day? **(Lesson 1.3)**

   Ⓐ $(3 + 30) + (3 + 5)$

   ● $(3 \times 30) + (3 \times 5)$

   Ⓒ $(3 + 30) \times (3 + 5)$

   Ⓓ $(3 \times 30) \times (3 \times 5)$

6. Louisa is 152.7 centimeters tall. Her younger sister is 8.42 centimeters shorter than she is. How tall is Louisa's younger sister? **(Lesson 3.9)**

   Ⓐ 6.85 cm

   ● 144.28 cm

   Ⓒ 144.38 cm

   Ⓓ 154.28 cm