

Connect Fractions to Division



COMMON CORE STANDARD—5.NF.B.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?

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

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

$7 \div 10 = \underline{\hspace{2cm}}$

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

$12 \div 8 = \underline{\hspace{2cm}}$

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

$8 \div 3 = \underline{\hspace{2cm}}$

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

$2 \div 5 = \underline{\hspace{2cm}}$

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

$6 \div 9 = \underline{\hspace{2cm}}$

Problem Solving



7. 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?

8. Five friends share 6 fruit snacks equally. How many fruit snacks will each friend get?

9. **WRITE** *Math* Jason divides 8 pounds of dog food equally among 6 dogs. Draw a diagram and explain how you can use it to find the amount of food each dog receives.

Lesson Check (5.NF.B.3)

1. Eight friends share 4 bunches of grapes equally. What fraction of a bunch of grapes does each friend get?
2. Ten students share 8 pieces of poster board equally. What fraction of a piece of poster board does each student get?

Spiral Review (5.NBT.B.6, 5.NBT.B.7, 5.NF.B.7a, 5.NF.B.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?
4. Vu has 2 pizzas that he cuts into sixths. How many $\frac{1}{6}$ -size pieces does he have?

5. Kayaks rent for \$35 per day. Write an expression using the Distributive Property that can help you find the cost in dollars of renting 3 kayaks for a day.
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?

