

Name \_\_\_\_\_

**Fraction and Whole-Number Division**

COMMON CORE STANDARD CC.5.NF.7c

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

Write a related multiplication sentence to solve.

1.  $3 \div \frac{1}{2}$

2.  $\frac{1}{5} \div 3$

3.  $2 \div \frac{1}{8}$

4.  $\frac{1}{3} \div 4$

$3 \times 2 = 6$  \_\_\_\_\_

5.  $5 \div \frac{1}{4}$

6.  $\frac{1}{2} \div 2$

7.  $\frac{1}{4} \div 6$

8.  $6 \div \frac{1}{5}$

9.  $\frac{1}{5} \div 5$

10.  $4 \div \frac{1}{8}$

11.  $\frac{1}{3} \div 7$

12.  $9 \div \frac{1}{2}$

**Problem Solving** 

13. Isaac has a piece of rope that is 5 yards long. Into how many  $\frac{1}{2}$ -yard pieces of rope can Isaac cut the rope?

14. Two friends share  $\frac{1}{2}$  of a pineapple equally. What fraction of a whole pineapple does each friend get?

### Lesson Check (CC.5.NF.7c)

- Sean divides 8 cups of granola into  $\frac{1}{4}$ -cup servings. How many servings of granola does he have?
  - (A) 32
  - (B) 16
  - (C) 2
  - (D)  $\frac{1}{2}$
- Brandy solved  $\frac{1}{6} \div 5$  by using a related multiplication expression. Which multiplication expression did she use?
  - (A)  $6 \times 5$
  - (B)  $6 \times \frac{1}{5}$
  - (C)  $\frac{1}{6} \times 5$
  - (D)  $\frac{1}{6} \times \frac{1}{5}$

### Spiral Review (CC.5.NF.2, CC.5.NF.3, CC.5.NF.4a, CC.5.NF.7b)

- Nine friends share 12 pounds of pecans equally. How many pounds of pecans does each friend get? (Lesson 8.3)
  - (A)  $\frac{3}{4}$  pound
  - (B)  $1\frac{1}{3}$  pounds
  - (C)  $1\frac{1}{2}$  pounds
  - (D)  $1\frac{2}{3}$  pounds
- A scientist has  $\frac{2}{3}$  liter of solution. He uses  $\frac{1}{2}$  of the solution for an experiment. How much solution does the scientist use for the experiment? (Lesson 7.6)
  - (A)  $\frac{1}{6}$  liter
  - (B)  $\frac{1}{4}$  liter
  - (C)  $\frac{1}{3}$  liter
  - (D)  $\frac{1}{2}$  liter
- Naomi needs 2 cups of sugar for a cake she is baking. She only has a  $\frac{1}{4}$ -cup measuring cup. How many times will Naomi need to fill the measuring cup to get 2 cups of sugar? (Lesson 8.2)
  - (A) 2
  - (B) 4
  - (C) 6
  - (D) 8
- Michaela caught 3 fish, which weigh a total of  $19\frac{1}{2}$  pounds. One fish weighs  $7\frac{5}{8}$  pounds and another weighs  $5\frac{3}{4}$  pounds. How much does the third fish weigh? (Lesson 6.9)
  - (A)  $6\frac{1}{8}$  pounds
  - (B)  $6\frac{5}{8}$  pounds
  - (C)  $7\frac{1}{8}$  pounds
  - (D)  $7\frac{5}{8}$  pounds