

Name _____

Multiply a Fraction by a Whole Number Using Models

COMMON CORE STANDARD CC.4.NF.4b

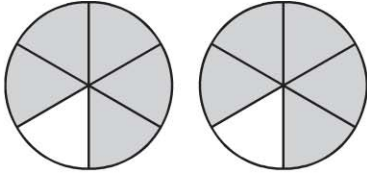
Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

Multiply.

1. $2 \times \frac{5}{6} = \frac{10}{6}$

2. $3 \times \frac{2}{5} =$ _____

3. $7 \times \frac{3}{10} =$ _____



4. $3 \times \frac{5}{12} =$ _____

5. $6 \times \frac{3}{4} =$ _____

6. $4 \times \frac{2}{8} =$ _____

7. $5 \times \frac{2}{3} =$ _____

8. $2 \times \frac{7}{8} =$ _____

9. $6 \times \frac{4}{5} =$ _____

Problem Solving REAL WORLD

10. Matthew walks $\frac{5}{8}$ mile to the bus stop each morning. How far will he walk in 5 days?
11. Emily uses $\frac{2}{3}$ cup of milk to make one batch of muffins. How many cups of milk will Emily use if she makes 3 batches of muffins?

Lesson Check (CC.4.NF.4b)

- Aleta's puppy gained $\frac{3}{8}$ pound each week for 4 weeks. Altogether, how much weight did the puppy gain during the 4 weeks?
 - $\frac{8}{12}$ pound
 - $1\frac{2}{8}$ pounds
 - $\frac{12}{8}$ pounds
 - $4\frac{3}{8}$ pounds
- Pedro mixes $\frac{3}{4}$ teaspoon of plant food into each gallon of water. How many teaspoons of plant food should Pedro mix into 5 gallons of water?
 - $\frac{3}{20}$ teaspoon
 - $\frac{4}{15}$ teaspoon
 - $\frac{8}{4}$ teaspoons
 - $\frac{15}{4}$ teaspoons

Spiral Review (CC.4.NF.2, CC.4.NF.3b, CC.4.NF.3c, CC.4.NF.4a)

- Ivana has $\frac{3}{4}$ pound of hamburger meat. She makes 3 hamburger patties. Each patty weighs the same amount. How much does each hamburger patty weigh? (Lesson 8.1)
 - $\frac{1}{4}$ pound
 - $\frac{1}{3}$ pound
 - $2\frac{1}{4}$ pounds
 - 3 pounds
- Lance wants to find the total length of 3 boards. He uses the expression $3\frac{1}{2} + (2 + 4\frac{1}{2})$. How can Lance rewrite the expression using both the Associative and Commutative Properties of Addition? (Lesson 7.9)
 - $5 + 4\frac{1}{2}$
 - $(3\frac{1}{2} + 2) + 4\frac{1}{2}$
 - $2 + (3\frac{1}{2} + 4\frac{1}{2})$
 - $3\frac{1}{2} + (4\frac{1}{2} + 2)$
- Which of the following expressions is NOT equal to $\frac{7}{10}$? (Lesson 7.2)
 - $\frac{5}{10} + \frac{1}{10} + \frac{1}{10}$
 - $\frac{2}{10} + \frac{2}{10} + \frac{3}{10}$
 - $\frac{3}{10} + \frac{3}{10} + \frac{2}{10}$
 - $\frac{4}{10} + \frac{2}{10} + \frac{1}{10}$
- Which of the following statements is true? (Lesson 6.6)
 - $\frac{5}{8} > \frac{9}{10}$
 - $\frac{5}{12} > \frac{1}{3}$
 - $\frac{3}{6} > \frac{4}{5}$
 - $\frac{1}{2} > \frac{3}{4}$