Name _____

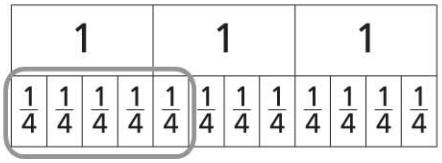
Multiply Fractions and Whole Numbers

COMMON CORE STANDARD CC.5.NF.4a

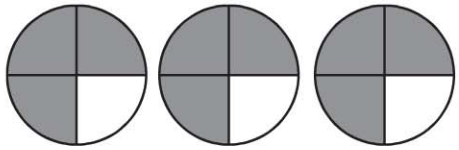
Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Use the model to find the product.

1. $\frac{5}{12} \times 3 =$ $\frac{5}{4}$, or $1\frac{1}{4}$



2. $3 \times \frac{3}{4} =$ _____



Find the product.

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

4. $7 \times \frac{2}{3} =$ _____

5. $\frac{3}{8} \times 4 =$ _____

6. $7 \times \frac{5}{6} =$ _____

7. $\frac{5}{12} \times 6 =$ _____

8. $9 \times \frac{2}{3} =$ _____

Problem Solving REAL WORLD

9. Jody has a 5-pound bag of potatoes. She uses $\frac{4}{5}$ of the bag to make potato salad. How many pounds of potatoes does Jody use for the potato salad?

_____

10. Lucas lives $\frac{5}{8}$ mile from school. Kenny lives twice as far as Lucas from school. How many miles does Kenny live from school?

_____

TEST PREP

Lesson Check (CC.5.NF.4a)

1. In gym class, Ted runs $\frac{4}{5}$ mile. His teacher runs 6 times that distance each day. How many miles does Ted's teacher run each day?

   (A) $\frac{5}{24}$ mile

   (B) $3\frac{1}{3}$ miles

   (B) $4\frac{4}{5}$ miles

   (D) $7\frac{1}{2}$ miles

2. Jon is decorating a banner for a parade. Jon uses a piece of red ribbon, which is $\frac{3}{4}$ yard long. Jon also needs blue ribbon that is 5 times as long as the red ribbon. How much blue ribbon does Jon need?

   (A) $\frac{3}{20}$ yard

   (B) $3\frac{3}{4}$ yards

   (C) $4\frac{1}{4}$ yards

   (D) $7\frac{1}{3}$ yards

Spiral Review (CC.5.OA.1, CC.5.NBT.3b, CC.5.NF.2, CC.5.NF.3)

3. Mirror Lake Elementary School has 168 students and chaperones going on the fifth grade class trip. Each bus can hold 54 people. What is the least number of buses needed for the trip? (Lesson 2.7)

   (A) 3

   (B) 4

   (C) 5

   (D) 8

4. From an 8-foot board, a carpenter sawed off one piece that was $2\frac{3}{4}$ feet long and another piece that was $3\frac{1}{2}$ feet long. How much of the board was left? (Lesson 6.9)

   (A) $1\frac{3}{4}$ feet

   (B) $2\frac{1}{4}$ feet

   (C) $2\frac{3}{4}$ feet

   (D) $6\frac{1}{4}$ feet

5. Which expression does NOT have a value of 18? (Lesson 1.11)

   (A) $8 \div 4 \times (3 + 6)$

   (B) $(20 - 13) \times 4 - 10$

   (C) $9 + 3 \times 5 - 6$

   (D) $30 - 5 \times 4 + 2$

6. Which of the following decimals has the least value? (Lesson 3.3)

   (A) 0.3

   (B) 0.029

   (C) 0.003

   (D) 0.01