Name _____

Multiply a Fraction or Mixed Number by a Whole Number

COMMON CORE STANDARD CC.4.NF.4c

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

Multiply. Write the product as a mixed number.

1. $5 \times \frac{3}{10} =$ $1\frac{5}{10}$
2. $3 \times \frac{3}{5} =$ _____
3. $5 \times \frac{3}{4} =$ _____
4. $4 \times 1\frac{1}{5} =$ _____
5. $2 \times 2\frac{1}{3} =$ _____
6. $5 \times 1\frac{1}{6} =$ _____
7. $2 \times 2\frac{7}{8} =$ _____
8. $7 \times 1\frac{3}{4} =$ _____
9. $8 \times 1\frac{3}{5} =$ _____

Problem Solving REAL WORLD

10. Brielle exercises for $\frac{3}{4}$ hour each day for 6 days in a row. Altogether, how many hours does she exercise during the 6 days?

_____

11. A recipe for quinoa calls for $2\frac{2}{3}$ cups of milk. Conner wants to make 4 batches of quinoa. How much milk does he need?

_____

TEST PREP

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

1. A mother is $1\frac{3}{4}$ times as tall as her son. Her son is 3 feet tall. How tall is the mother?

   Ⓐ $4\frac{3}{4}$ feet

   Ⓑ $5\frac{1}{4}$ feet

   Ⓒ $5\frac{1}{2}$ feet

   Ⓓ $5\frac{3}{4}$ feet

2. The cheerleaders are making a banner that is 8 feet wide. The length of the banner is $1\frac{1}{3}$ times the width of the banner. How long is the banner?

   Ⓐ $8\frac{1}{3}$ feet

   Ⓑ $8\frac{3}{8}$ feet

   Ⓒ $10\frac{1}{3}$ feet

   Ⓓ $10\frac{2}{3}$ feet

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

3. Karleigh walks $\frac{5}{8}$ mile to school every day. How far does she walk to school in 5 days? (Lesson 8.3)

   Ⓐ $\frac{5}{40}$ mile

   Ⓑ $\frac{25}{40}$ mile

   Ⓒ $\frac{10}{8}$ miles

   Ⓓ $\frac{25}{8}$ miles

4. Which number is a multiple of $\frac{4}{5}$? (Lesson 8.2)

   Ⓐ $\frac{8}{10}$

   Ⓑ $\frac{12}{15}$

   Ⓒ $\frac{16}{20}$

   Ⓓ $\frac{12}{5}$

5. Jo cut a key lime pie into 8 equal-size slices. The next day, $\frac{7}{8}$ of the pie is left. Jo puts each slice on its own plate. How many plates does she need? (Lesson 8.1)

   Ⓐ 5

   Ⓑ 6

   Ⓒ 7

   Ⓓ 8

6. Over the weekend, Ed spent $1\frac{1}{4}$ hours doing his math homework and $1\frac{3}{4}$ hours doing his science project. Altogether, how much time did Ed spend doing homework over the weekend? (Lesson 7.7)

   Ⓐ 3 hours

   Ⓑ $2\frac{3}{4}$ hours

   Ⓒ $2\frac{1}{2}$ hours

   Ⓓ 2 hours