Name _____

Divide Fractions and Whole Numbers

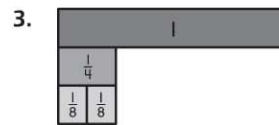**Divide and check the quotient.**

1.

1			1		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
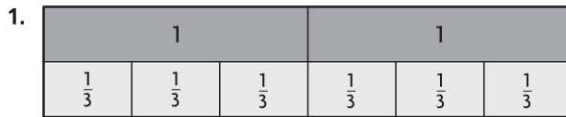
$2 \div \frac{1}{3} =$ __**6**__ because __**6**__ $\times \frac{1}{3} = 2.$

2.

$2 \div \frac{1}{4} =$ _____ because _____ $\times \frac{1}{4} = 2.$

3.

$\frac{1}{4} \div 2 =$ _____ because _____ $\times 2 = \frac{1}{4}.$

Divide. Draw a number line or use fraction strips.

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

5. $\frac{1}{6} \div 3 =$ _____

6. $4 \div \frac{1}{6} =$ _____

7. $3 \div \frac{1}{3} =$ _____

8. $\frac{1}{4} \div 6 =$ _____

9. $5 \div \frac{1}{4} =$ _____

Problem Solving REAL WORLD

10. Amy can run $\frac{1}{10}$ mile per minute. How many minutes will it take Amy to run 3 miles?

11. Jeremy has 3 yards of ribbon to use for wrapping gifts. He cuts the ribbon into pieces that are $\frac{1}{4}$ yard long. How many pieces of ribbon does Jeremy have?

_____

_____

Lesson Check (CC.5.NF.7a, CC.5.NF.7b)

1. Kaley cuts half of a loaf of bread into 4 equal parts. What fraction of the whole loaf does each of the 4 parts represent?

   (A) $\frac{1}{8}$

   (B) $\frac{1}{6}$

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

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

2. When you divide a fraction less than 1 by a whole number greater than 1, how does the quotient compare to the dividend?

   (A) The quotient is greater than the dividend.

   (B) The quotient is less than the dividend.

   (C) The quotient is equal to the dividend.

   (D) There is not enough information to answer the question.

Spiral Review (CC.5.NF.1, CC.5.NF.4a, CC.5.NF.6)

3. A recipe for chicken and rice calls for $3\frac{1}{2}$ pounds of chicken. Lisa wants to adjust the recipe so that it yields $1\frac{1}{2}$ times as much chicken and rice. How much chicken will she need? (Lesson 7.9)

   (A) 2 pounds

   (B) $2\frac{1}{3}$ pounds

   (C) 5 pounds

   (D) $5\frac{1}{4}$ pounds

4. Tim and Sue share a pizza. Tim eats $\frac{2}{3}$ of the pizza. Sue eats half as much of the pizza as Tim does. What fraction of the pizza does Sue eat? (Lesson 7.6)

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

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

   (C) $\frac{3}{5}$

   (D) $\frac{2}{3}$

5. In gym class, you run $\frac{3}{5}$ mile. Your coach runs 10 times that distance each day. How far does your coach run each day? (Lesson 7.3)

   (A) $\frac{7}{5}$ miles

   (B) $2\frac{3}{5}$ miles

   (C) 3 miles

   (D) 6 miles

6. Sterling plants a tree that is $4\frac{3}{4}$ feet tall. One year later, the tree is $5\frac{2}{5}$ feet tall. How many feet did the tree grow? (Lesson 6.7)

   (A) $\frac{13}{20}$ foot

   (B) 8 feet

   (C) $10\frac{3}{20}$ feet

   (D) 13 feet