Name _____

Equivalent Fractions and Decimals

COMMON CORE STANDARD CC.4.NF.5

Understand decimal notation for fractions, and compare decimal fractions.

Write the number as hundredths in fraction form and decimal form.

1. $\frac{5}{10}$

$\frac{5}{10} = \frac{5 \times 10}{10 \times 10} = \frac{50}{100}$

Think: 5 tenths is the same as 5 tenths and 0 hundredths. Write 0.50.

$\frac{50}{100}$; 0.50

2. $\frac{9}{10}$

3. 0.2

4. 0.8

Write the number as tenths in fraction form and decimal form.

5. $\frac{40}{100}$

6. $\frac{10}{100}$

7. 0.60

Problem Solving REAL WORLD

8. Billy walks $\frac{6}{10}$ mile to school each day. Write $\frac{6}{10}$ as hundredths in fraction form and in decimal form.

9. Four states have names that begin with the letter A. This represents 0.08 of all the states. Write 0.08 as a fraction.

TEST PREP

Lesson Check (CC.4.NF.5)

1. The fourth-grade students at Harvest School make up 0.3 of all students at the school. Which fraction is equivalent to 0.3?

   Ⓐ $\frac{3}{10}$

   Ⓑ $\frac{30}{10}$

   Ⓒ $\frac{3}{100}$

   Ⓓ $\frac{33}{100}$

2. Kyle and his brother have a marble set. Of the marbles, 12 are blue. This represents $\frac{50}{100}$ of all the marbles. Which decimal is equivalent to $\frac{50}{100}$?

   Ⓐ 50

   Ⓑ 5.0

   Ⓒ 0.50

   Ⓓ 5,000

Spiral Review (CC.4.OA.5, CC.4.NF.1, CC.4.NF.4c, CC4.NF.6)

3. Jesse won his race by $3\frac{45}{100}$ seconds. What is this number written as a decimal? **(Lesson 9.2)**

   Ⓐ 0.345

   Ⓑ 3.45

   Ⓒ 34.5

   Ⓓ 345

4. Marge cut 16 pieces of tape for mounting pictures on poster board. Each piece of tape was $\frac{3}{8}$ inch long. How much tape did Marge use? **(Lesson 8.4)**

   Ⓐ 2 inches

   Ⓑ 4 inches

   Ⓒ 5 inches

   Ⓓ 6 inches

5. Of Katie's pattern blocks, $\frac{9}{12}$ are triangles. What is $\frac{9}{12}$ in simplest form? **(Lesson 6.3)**

   Ⓐ $\frac{1}{4}$

   Ⓑ $\frac{2}{3}$

   Ⓒ $\frac{3}{4}$

   Ⓓ $\frac{9}{12}$

6. A number pattern has 75 as its first term. The rule for the pattern is *subtract* 6. What is the sixth term? **(Lesson 5.6)**

   Ⓐ 39

   Ⓑ 45

   Ⓒ 51

   Ⓓ 69