

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.

Lesson Check (CC.4.NF.5)

- The fourth-grade students at Harvest School make up 0.3 of all students at the school. Which fraction is equivalent to 0.3?
 - (A) $\frac{3}{10}$
 - (B) $\frac{30}{10}$
 - (C) $\frac{3}{100}$
 - (D) $\frac{33}{100}$
- 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 $\frac{50}{100}$?
 - (A) 50
 - (B) 5.0
 - (C) 0.50
 - (D) 5,000

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

- Jesse won his race by $3\frac{45}{100}$ seconds. What is this number written as a decimal? (Lesson 9.2)
 - (A) 0.345
 - (B) 3.45
 - (C) 34.5
 - (D) 345
- 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)
 - (A) 2 inches
 - (B) 4 inches
 - (C) 5 inches
 - (D) 6 inches
- Of Katie's pattern blocks, $\frac{9}{12}$ are triangles. What is $\frac{9}{12}$ in simplest form? (Lesson 6.3)
 - (A) $\frac{1}{4}$
 - (B) $\frac{2}{3}$
 - (C) $\frac{3}{4}$
 - (D) $\frac{9}{12}$
- 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)
 - (A) 39
 - (B) 45
 - (C) 51
 - (D) 69