

Name _____

Place Value of Decimals

COMMON CORE STANDARD CC.5.NBT.3a

Understand the place value system.

Write the value of the underlined digit.

1. 0.287

8 hundredths, or 0.08

2. 5.349

3 tenths, or 0.3

3. 2.704

4 thousandths, or
0.004

4. 9.154

1 tenth, or 0.1

5. 4.006

6 thousandths, or
0.006

6. 7.258

5 hundredths, or 0.05

7. 0.198

9 hundredths, or 0.09

8. 6.821

8 tenths, or 0.8

9. 8.027

7 thousandths, or
0.007

Write the number in two other forms.

10. 0.326

three hundred twenty-six thousandths

$3 \times (\frac{1}{10}) + 2 \times (\frac{1}{100}) + 6 \times (\frac{1}{1,000})$

11. 8.517

eight and five hundred seventeen
thousandths

$8 \times 1 + 5 \times (\frac{1}{10}) +$

$1 \times (\frac{1}{100}) + 7 \times (\frac{1}{1,000})$

12. 0.924

nine hundred twenty-fourthousandths

$9 \times (\frac{1}{10}) + 2 \times (\frac{1}{100}) + 4 \times (\frac{1}{1,000})$

13. 1.075

one and seventy-five thousandths

$1 \times 1 + 0 \times (\frac{1}{10}) + 7 \times (\frac{1}{100}) + 5 \times (\frac{1}{1,000})$

Problem Solving

14. In a gymnastics competition, Paige's score was 37.025. What is Paige's score written in word form?

thirty-seven and twenty-five thousandths

15. Jake's batting average for the softball season is 0.368. What is Jake's batting average written in expanded form?

$3 \times (\frac{1}{10}) + 6 \times (\frac{1}{100}) + 8 \times (\frac{1}{1,000})$

Lesson Check (CC.5.NBT.3a)

- When Mindy went to China, she exchanged \$1 for 6.589 Yuan. What digit is in the hundredths place of 6.589?
 - (A) 5
 - (B) 6
 - (C) 8
 - (D) 9
- The diameter of the head of a screw is 0.306 inch. What is this number written in word form?
 - (A) three hundred six
 - (B) three hundred six thousandths
 - (C) thirty-six thousandths
 - (D) three and six thousandths

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

- Each car on a commuter train can seat 114 passengers. If the train has 7 cars, how many passengers can the train seat? (Lesson 1.6)
 - (A) 770
 - (B) 774
 - (C) 778
 - (D) 798
- Which of the following expressions has a value of 10? (Lesson 1.11)
 - (A) $(9 + 15) \div 3 + 2$
 - (B) $9 + (15 \div 3) + 2$
 - (C) $9 + 15 \div (3 + 2)$
 - (D) $(9 + 15 \div 3) + 2$
- Danica has 15 stickers. She gives 3 to one friend and gets 4 from another friend. Which expression matches the words? (Lesson 1.10)
 - (A) $15 + 3 + 4$
 - (B) $15 - (3 + 4)$
 - (C) $15 - 3 + 4$
 - (D) $15 + 3 - 4$
- There are 138 people seated at the tables in a banquet hall. Each table can seat 12 people. All the tables are full except one. How many full tables are there? (Lesson 2.7)
 - (A) 6
 - (B) 11
 - (C) 12
 - (D) 13