

Name \_\_\_\_\_

1. Complete the sentences to make true statements. **1 point**

0.05 is 10 times **0.005**.

5 is 100 times **0.05**.

0.5 is  $\frac{1}{100}$  of **50**.

2. The area of Mammoth Cave National Park in Kentucky is about fifty-two thousand, eight hundred thirty and nineteen hundredths acres. Which shows this number of acres in standard form? **1 point**

(A) 52,800.319

(B) 52,803.19

(C) 52,830.19

(D) 52,831.9

3. Which numbers have a digit in the ones place that is  $\frac{1}{10}$  the value of the digit in the tens place? Select all that apply. **1 point**

6,044

6,339

8,101

8,066

9,777

4. North High School has 5,000 students. South High School has  $\frac{1}{10}$  as many students as North High School. How many students are there at South High School? **1 point**

**500**

5. Select all the comparisons that are true. **1 point**

$3.062 > 3.26$

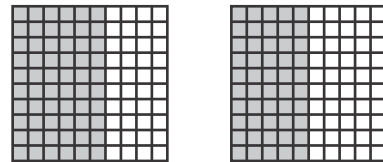
$2.36 > 2.306$

$6.23 < 6.203$

$6.203 < 6.32$

$3.62 < 3.206$

6. Laura shaded 60 squares on her hundredths grid. Billy shaded 50 squares on his hundredths grid.



- A. Write an expression that is the sum of two fractions and has a value greater than Billy's decimal and less than Laura's decimal. **1 point**

**Sample answer:**

$$\frac{50}{100} + \frac{5}{100}$$

- B. Write two decimals equivalent to Laura's decimal. **1 point**

**Sample answers:**

**0.60, 0.600**

7. Which statements about the values of 7.055 and 70.55 are true? Select all that apply. **1 point**

7.055 is  $\frac{1}{10}$  of 70.55.

7.055 is  $\frac{1}{100}$  of 70.55.

70.55 is 10 times 7.055.

70.55 is 100 times 7.055.

7.055 is 10 times 70.55.

8. Maria walked 4.035 kilometers. What is 4.035 written in expanded form? **1 point**

- (A)  $4 \times 1 + 3 \times \frac{1}{10} + 5 \times \frac{1}{100}$   
(B)  $4 \times 1 + 3 \times \frac{1}{100} + 5 \times \frac{1}{1,000}$   
(C)  $4 \times 1 + 3 \times \frac{1}{10} + 5 \times \frac{1}{1,000}$   
(D)  $4 \times 10 + 3 \times \frac{1}{10} + 5 \times \frac{1}{100}$

9. Eddy's plum weighs 3.042 ounces. Desta's plum weighs 3.24 ounces. Whose plum weighs more? How can you tell? **2 points**

**Desta's plum weighs more. Sample answer: Both numbers have 3 in the ones place, but two tenths is greater than 0 tenths.**

10. During the hockey season, Elena averaged 5.625 assists per game. What is 5.625 written in expanded form? How is it written with number names? **2 points**

**$5 + 6 \times \frac{1}{10} + 2 \times \frac{1}{100} + 5 \times \frac{1}{1,000}$ ; five and six hundred twenty-five thousandths**

11. The numbers below follow a pattern.

300 30 3 0.3 \_\_\_\_\_

- A. What are the next two numbers in the pattern? **1 point**

**0.03; 0.003**

- B. What is the relationship between the terms in the pattern? **1 point**

**Sample answer: Each term is  $\frac{1}{10}$  the value of the term on its left.**

12. Kent completed his homework in 52.752 minutes. What is this number rounded to the nearest tenth? Explain how you decided. **2 points**

**52.8; Sample answer: Since the digit in the hundredths place is equal to 5, you increase the digit in the tenths place by 1. Then you drop the digits to the right of the tenths place.**