

Name

Key a/21 (5th) Blue crew

1. Choose all the expressions that are equal to 5×10^4 .

- 5×100
- $5 \times 1,000$
- $5 \times 10,000$
- $5 \times 10 \times 10 \times 10$
- $5 \times 10 \times 10 \times 10 \times 10$

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?

- (A) 52,800.319
- (B) 52,803.19
- (C) 52,830.19
- (D) 52,831.9

3. For items 3a–3d, choose Yes or No to tell if the digit in the tens place is $\frac{1}{10}$ the value of the digit in the hundreds place.

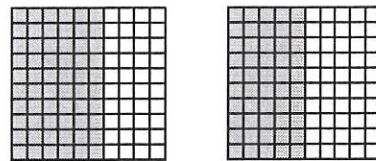
- 3a. 54,450 Yes No
- 3b. 50,445 Yes No
- 3c. 40,533 Yes No
- 3d. 45,330 Yes No

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?

5. Choose all the comparisons that are true.

- $3.062 > 3.26$
- $2.36 > 2.306$
- $6.23 < 6.203$
- $6.203 < 6.32$
- $3.62 < 3.206$

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



Part A

Write two decimals less than Laura's decimal and greater than Billy's decimal.

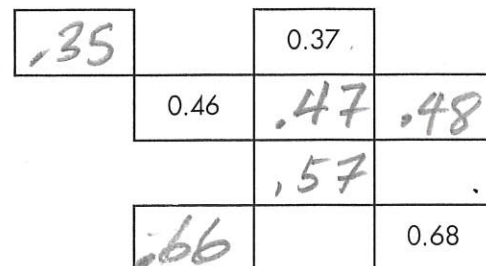
Any decimals between .51 and .59 (including them)

Part B

Write two decimals equivalent to Laura's decimal.

.6 .60 .600

7. Determine the pattern. Then write the decimals to complete the decimal grid.



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

- (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?

$3.\underline{0}42 < 3.\underline{2}4$
 Both have 3 in ones.
 Eddy's plum has 2 in the tenths.
 Desta's has 0.

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?

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

11. The numbers below follow a pattern.

300 30 3 0.3 0.03 0.003

Part A

What are the next two numbers in the pattern?

0.03, .003

Part B

What is the relationship between the terms in the pattern?

Each place value is $\frac{1}{10}$ of the previous one.

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

$52, \underline{7}52 \uparrow$
 52.8 min.
 I looked at the PV to the right of the tenths to see which way to round. Since it was 5 or more, I rounded up.