

Name

KEY 9/21 (5th) Green machine



© Assessment

1. Choose all the expressions that are equal to 6×10^3 .

- 6×100
- $6 \times 1,000$
- $6 \times 10,000$
- $6 \times 10 \times 10 \times 10$
- $6 \times 10 \times 10 \times 10 \times 10$

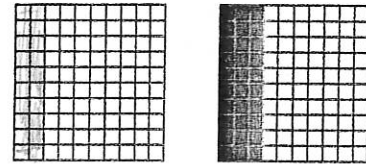
5. Choose all the comparisons that are true.

- $4.15 > 4.051$
- $1.054 > 1.45$
- $5.14 < 5.041$
- $5.104 < 5.41$
- $5.014 < 5.41$

2. A national park has eighty thousand, nine-hundred twenty-three and eighty-six hundredths acres of land. Which shows this in standard form?

- (A) 80,923.086
- (B) 80,923.68
- (C) 80,923.806
- (D) 80,923.86

6. Luke shaded 20 squares on his hundredths grid. Bekka shaded 30 squares on her hundredths grid.



Part A $.20 < \square < .30$

Write two decimals greater than Luke's decimal and less than Bekka's decimal.

any decimals from .21 to .29

Part B

Write two decimals equivalent to Luke's decimal.

.20 = .2 = .200

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

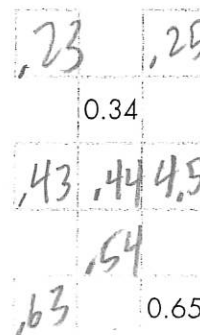
- 3a. 8,556 Yes No
- 3b. 6,855 Yes No
- 3c. 5,568 Yes No
- 3d. 5,656 Yes No

4. Mrs. Martin has \$7,000 in her savings account. Alonzo has $\frac{1}{10}$ as much money in his account as Mrs. Martin. How much money does Alonzo have in his account?

$\frac{1}{10}$ of \$7000 is

\$700

7. Determine the pattern, then write the decimals to complete the decimal grid.



8. The weight of Darrin's phone is 3.405 ounces. What is 3.405 written in expanded form?

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

9. Elaine has a piece of wire that is 2.16 meters long. Dikembe has a piece of wire that is 2.061 meters long. Whose piece of wire is longer? How can you tell?

E: 2.16
D: 2.061
Elaine's is longer by $\frac{1}{10}$

10. In a basketball tournament, Dimitri averaged 12.375 rebounds per game. What is 12.375 written in expanded form? How is it written with number names?

$1 \times 10 + 2 \times 1 + 3 \times \frac{1}{10} + 7 \times \frac{1}{100} + 5 \times \frac{1}{1000}$
Twelve and three hundred seventy-five thousandths

11. The numbers below follow a pattern.

0.006 0.06 0.6 6

Part A

What are the next two numbers in the pattern?

60, 600

Part B

What is the relationship between the terms in the pattern?

Each number is ten times greater (one place value)

12. Kendra and her horse completed the barrel racing course in 15.839 seconds. What is this number rounded to the nearest tenth? Explain how you decided.

15.839 3 < 5
15.8 seconds
The hundredths place is less than 5, so the tenths place stays the same.