Name Key Period _____ October 12, 2017

Place Value & Decimal Review

1. The Malabar Tree Toad's average length is 3.856 centimeters. What is the length of the toad rounded to the nearest hundredths?

3.856 6↑

3.86

2. The Brooklyn Battery Tunnel in New York City is 1.726 miles long. What is the value of the 2 in this number?

1.726

A 2 thousandths

B 2 hundredths

C 2 ones

D 2 tenths

3. Diana received $54.54 for her 54th birthday. She spent $29.98 on a new purse. How much money does she have left?

$24.56

$$\begin{array}{r} {}^{13}{}^{4}{}^{1}4 \\ -\ 29.98 \\ \hline 24.56 \end{array}$$

4. Jan ran 1.256 miles on Monday, 1.3 miles on Wednesday, 1.26 miles on Thursday, and 1.235 on Friday. Put these numbers in order from least to greatest.

1.235, 1.256, 1.26, 1.3

(1) 1.235
(3) 1.26
(4) 1.3
(2) 1.256

5. The table shows the jumps in length of four crickets.

Length of Cricket Jumps

Cricket	Length of jump (in centimeters)
Cricket #1	25
Cricket #2	25.32
Cricket #3	24.28
Cricket #4	24.8

Which inequality correctly compares the jumps in length of two of the crickets?

F Cricket #1 > Cricket #2

G Cricket #3 = Cricket #4

H Cricket #4 > Cricket #3

J Cricket #4 < Cricket #3

(1) 24.80
(2) 24.28

6. The length of a piece of plastic for a science kit needs to be greater than 22.4 inches and less than 23.512 inches. Which length of plastic can be used?

A 23.6 inches

B 22.29 inches

C 23.48 inches

D 22.361 inches

23.48 > 22.4

23.48 < 23.512

7. Jonathan researched the average wingspan of four different birds. He listed the four lengths below.

47.3	47.215	47.25	47.362

Jonathan wants to do more research on the bird with the third longest wingspan. Which bird does Jonathan choose?

A 47.215
B 47.25
C 47.362
D 47.3

(2) 47.3
(4) 47.215
(3) 47.25
(1) 47.362
longest

8. Joe biked 9.632 miles on Monday, 9.62 miles on Wednesday, 9.932 on Thursday, and 9.6 on Friday. Put these numbers in order from greatest to least.

9.932, 9.632, 9.62, 9.6

9. Allison and Mary enter their frogs into a frog jumping contest. Allison's frog jumped 5.564 feet. Mary's frog jumped 3.86 feet. How much farther did Allison's frog jump than Mary's frog?

1.704 feet

5.564
- 3.860
1.704

10. Kyle helped his mom weigh potatoes at the grocery store. The red potatoes weighed 6.423 pounds. The Yukon Gold potatoes weighed 15 pounds. How much did the potatoes weigh together?

A 6.57 pounds
B 21.423 pounds
C 657 pounds
D 214.23 pounds

15.000
+ 6.423
21.423

11. The table below shows the world record times for different swimming events.

Stroke	Time (sec.)	
freestyle	22.593	22.59
butterfly	22.437	22.44
backstroke	22.474	22.47
breaststroke	22.678	22.68

Which stroke rounds to 22.68 when rounded to the nearest hundredths?

breaststroke / 22.678

12. Chris bought sneakers for $48.39 and a shirt for $13.78. What is the total amount that Chris spent rounded to the **nearest whole number**?

F $62.17
G $62
H $63
J $62.20

48.39
+13.78
62.17

13. Which shows 3.692 written in expanded notation?

A $(3 \times 1) + (6 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1,000})$

B $(3 \times 1) + (6 \times \frac{1}{100}) + (9 \times \frac{1}{1,000}) + (2 \times \frac{1}{10,000})$

C $(3 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (9 \times 0.01) + (3 \times 0.001)$

D $0.3 + 0.6 + 0.09 + 0.002$

14. The length of a NFL football field is four thousand, three hundred and twenty-four inches long. How is this number written in expanded notation?

A $(4 \times 1{,}000) + (3 \times 100) + (2 \times 10) + (4 \times 0.1)$

B $(4 \times 1{,}000) + (3 \times 10) + (2 \times 20) + (4 \times 1)$

C $(4 \times 1{,}000) + (3 \times 100) + (2 \times 0.1) + (4 \times 0.01)$

D $(4 \times 1{,}000) + (3 \times 100) + (2 \times 10) + (4 \times 1)$

15. Which list shows the numbers **NOT** in order from greatest to least?

F $4.9 > 4.68 > 4.62 > 4.57$

G $6.421 > 6.42 > 6.16 > 6.07$

H $8.201 > 8.32 > 8.4 > 8$

J $7.674 > 7.67 > 7.42 > 7.1$

Use the correct inequality symbol to make the comparison true.

16. 3.12 < 3.8

17. 12.7 = 12.70

18. $18 + 9.23 + 0.741 =$ 27.971

$$\begin{array}{r} 18.000 \\ +\ 09.230 \\ \ 00.741 \\ \hline 27.971 \end{array}$$

19. $32 - 11.331 =$ 20.669

$$\begin{array}{r} {}^{9}\cancel{3}{}^{9}\cancel{2}.{}^{9}\cancel{0}{}^{9}\cancel{0}{}^{1}0 \\ -\ 11.331 \\ \hline 20.669 \end{array}$$

20. $93 \div 3 + 18 \times 2 - 5 =$ 62

$31 + 18 \times 2 - 5 =$

$31 + 36 - 5 =$

$$3\overline{)93} \quad 31$$

$-9\downarrow$

03

-3

0

WORD BANK: hundredth place value round tenth thousandth

21. To replace a number with one that is simpler is approximately the same size as the original number round.

22. If one hundredth is divided into ten equal parts, each part is one thousandth.

23. If one whole is divided into ten equal parts, each part is one tenth.

24. The value of each digit in a number based on the location of the digit is called place value.

25. One of one hundred equal parts is one hundredths.