myANet

4th Online Learning #2 MATH

Subject: Mathematics

State: Ohio

Student Name:

Teacher Name:

School Name:

1 How many times larger is the value of the 2 in 52,346 than it is in 246?

(A) 0 times

(B) 10 times

(C) 100 times

(D) 1,000 times

2 Which expression below is equal to 600?

(A) 60,000 ÷ 100

(B) 60,000 × 100

(C) 60,000 ÷ 10

(D) 60,000 × 10

3 What is the value of the 3 in the number 231,005?

(A) 3 thousands

(B) 30 hundreds

(C) 30 thousands

(D) 30 ten thousands

4 Select the statement that explains how the values of the numbers 420 and 4200 are different.

(A) 4200 is 1000 times as large as 420

(B) 4200 is 100 times as large as 420

(C) 4200 is 10 times as large as 420

(D) 4200 is 1 time as large as 420

5 The value of the digit 4 in the number 42,780 is 10 times the value of the digit 4 in which number?

(A) 34,651

(B) 146,703

(C) 426,135

(D) 510,400

6 The number 234 is multiplied by 10.

Fill in the blanks with the correct terms in order to make the following sentence true.

The numeral 2 in the resulting product is in the _____ place, and the value of this digit is _____ .

7 There are almost 40 thousand fourth graders in Mississippi and almost 400 thousand fourth graders in Texas. There are almost 4 million fourth graders in the United States.

We write 4 million as 4,000,000. How many times more fourth graders are there in Texas than in Mississippi? How many times more fourth graders are there in the United States than in Texas? Use the approximate populations listed above to solve.

There are about 4 thousand fourth graders in Washington, D.C. How many times more fourth graders are there in the United States than in Washington, D.C.?

8 Which of these numbers has a 5 whose value is ten times the value of the 5 in 7359?

(A) 5268

(B) 4652

(C) 3005

(D) 2511

9 Justin and Diego are playing a game. Their scores are shown.

Justin   Diego

8,000 points 800 points

Which statement correctly compares their scores?

(A) Diego's score is 10 times Justin's score.

(B) Diego's score is 100 times Justin's score.

(C) Justin's score is 10 times Diego's score.

(D) Justin's score is 100 times Diego's score.

10 Arrange these numbers in order, beginning with the greatest:

$$1470 \quad 847 \quad 710 \quad 1047 \quad 147$$

(A) 1470, 1047, 847, 710, 147

(B) 847, 710, 1470, 147, 1047

(C) 1470, 710, 1047, 847, 147

(D) 147, 710, 847, 1047, 1470

11 The diagram shows a list of numbers, their word forms, and their expanded forms.

Match each number to its word form and expanded form. The first set of matches is shown in the diagram as an example.

100	four thousand one hundred	2,000 + 400 + 8
2,408	one hundred	4
451	four hundred fifty-one	10,000 + 7,000
17,000	four thousand one	4,000 + 100
4	two thousand, four hundred eight	100
4,001	seventeen thousand	4,000 + 1
4,100	four	400 + 50 + 1

12 The speed of light is about 186,282 miles per second. What is the expanded form of 186,282?

(A) 100,000 + 80,000 + 6,000 + 200 + 80 + 2

(B) 100,000 + 80,000 + 6,000 + 2,000 + 80 + 2

(C) 100,000 + 8,000 + 600 + 200 + 80 + 2

(D) 100,000 + 8,000 + 6,000 + 200 + 80 + 2

13 Baseball stadiums have different numbers of seats.

Arrange these three stadiums in order from **least** to **greatest** numbers of seats by filling in the names of the stadiums in the blanks.

San Francisco Giants' stadium: 41,915 seats	Washington Nationals' stadium: 41,888 seats	San Diego Padres' stadium: 42,445 seats

[   ] < [   ] < [   ]

14 The table below shows the weights of four animals at the zoo.

Animals at the Zoo

Animal	Weight (in pounds)
lion	517
bear	704
gorilla	485
zebra	782

Based on the table, which of the following is true about the weights of the animals?

(A) lion > bear

(B) zebra < gorilla

(C) bear < gorilla

(D) zebra > bear

15 Which statement is <u>true</u>?

(A) 3,187 > 4,291

(B) 56,902 < 57,902

(C) 345,678 = 876,543

(D) 459,648 < 201,000

16 Select True or False for each comparison.

	True	False
5 hundreds + 4 tens > 50 + 400	☐	☐
524 < 50 + 200 + 4	☐	☐
50 tens + 20 ones = 520	☐	☐

17 Which numbers make the comparison true?

27,768 < _____

Select the **two** correct answers.

(A) 27,759

(B) 28,744

(C) 26,773

(D) 27,568

(E) 27,836

18 Devin wrote a number in expanded form, as shown below.

500,000 + 90,000 + 3,000 + 20 + 8

Write Devin's number in standard form.

19 A teacher asked her students to use estimatation to decide if the sum of the problem below is closer to 4,000 or 5,000.

496 + 1,404 + 2,605 + 489

One student replied that she thinks the sum is closer to 4,000. She used the estimation shown below to support her reasoning.

$$496 + 1,404 + 2,605 + 489 =$$

$$0 + 1,000 + 3,000 + 0 = 4,000$$

Is the student's reasoning correct? In the space below, use numbers and words to explain why or why not. If the student's reasoning is not correct, explain how she should have estimated.

20 When rounded to the nearest hundred, the number of seats in Aces Baseball Stadium is 9,100.

What is the greatest number of seats that could be in this stadium? Explain how you know.

21 What is 8614 rounded to the nearest **thousand**?

(A) 8000

(B) 8600

(C) 8700

(D) 9000

22 Estimate:

812 + 189 =

    (A) 1,000

    (B) 1,100

    (C) 900

    (D) 600

23 Carl wants to estimate the sum of:

214 + 685

  Which problem below will give him the **closest** estimate?

    (A) 200 + 600 =

    (B) 200 + 700 =

    (C) 300 + 700 =

    (D) 100 + 1,000 =