



# DEMOCRACY PREP PUBLIC SCHOOLS

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## *6<sup>th</sup> Grade Math Summer Break Packet*



Name: \_\_\_\_\_

Date: Due Monday August 20, 2018

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**Directions:**

1. Underline and circle important information
2. Show work or explain your answer choice
3. Select the best answer choice

Question number 1 is done for you.

1. Which number is one hundred forty thousand eight hundred seven?

- A) 1,487
- B) 14,087
- C) 100,487
- D) 140,807

2. Which number is  $20,000 + 6,000 + 700 + 10 + 9$

- A) 25 because it is the sum of the digits in the expression.
- B) 260,719 because it is the sum of 2 hundred thousands, 6 ten thousands, 7 hundreds, 1 ten, and 9 ones.
- C) 26,719 because it is the sum of 2 ten thousands, 6 thousands, 7 hundreds, 1 ten, and 9 ones.
- D) 206,719 because it is the sum of 2 hundred thousands, 6 thousands, 7 hundreds, 1 ten, and 9 ones.

3. What is 379,337 in words?

- A) three hundred seventy-nine thousand three hundred seventy-three
- B) three hundred seventy-nine thousand three hundred thirty-seven
- C) three hundred ninety-seven thousand three hundred thirty-seven
- D) three hundred seventy-nine thousand thirty-seven

4. What is the value of 1 in twenty-two thousand three hundred and fourteen?

- A) 1
- B) 10
- C) 100
- D) 1,000

5. What is 0.93 in word form?

- A) ninety-three
- B) ninety-three tenths
- C) ninety-three hundredths
- D) ninety-three thousandths

6. Look at the underlined digit in the numbers given:

47

54

The value of the 4 in 47 is \_\_\_\_\_ times the value of the 4 in 54.

- A) 1
- B) 10
- C) 100
- D) 1,000

7. Find the missing number  $472 - 336 = \square - 519$

- A) 336
- B) 655
- C) 808
- D) 991

8. Find the difference  $500 - 143$

- A) 443
- B) 367
- C) 357
- D) 343

9. Find the difference  $73.65 - 16.66$

- A) 57.99
- B) 57.01
- C) 56.99
- D) 90.31

10. What is another way to write  $3 \times 5$

- A)  $3 + 5$
- B)  $3 \times 3 \times 2$
- C)  $5 + 5 + 5$
- D)  $5 \times 5 \times 5$

11. Find the missing factor:  $28 = 4 \times \square$

- A) 3
- B) 7
- C) 4
- D) 21

12. Which expression is equivalent:  $9 \times 8$

- A)  $(9 \times 10) - 10$
- B)  $(9 \times 10) - 8$
- C)  $(10 \times 8) - 8$
- D)  $(10 \times 8) - 1$

13. Which expression is equivalent:  $9 + 9 + 9 + 9 + 9 + 9 + 9$

- A)  $9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9$
- B)  $9 \times 7$
- C)  $7 + 7 + 7 + 7 + 7 + 7 + 7$
- D)  $7 + 9$

14. Which of the statements about the product of  $60 \times 100$  is true

- A) it has one zero
- B) it has two zeroes
- C) it has three zeroes
- D) it has four zeroes

15. What is the product  $95 \times 74$ ?

- A) 380
- B) 1,045
- C) 7,030
- D) 7,830

16. What is the product of  $842 \times 57$ ?

- A) 5,894
- B) 42,100
- C) 47,994
- D) 67,994

17. What is the product of  $5.1 \times 3.2$ ?

- A) 1,632
- B) 163.2
- C) 16.32
- D) 1.632

18. What is the product of  $100 \times 6.2$ ?

- A) 6.2
- B) 62
- C) 620
- D) 6,200

19. A mailman has 36 envelopes to deliver. There are 9 envelopes to be delivered to each building on his route. How many buildings are on his route? Explain your answer.

- A) There are 9 buildings since 9 taken away from 36 nine times is 0.
- B) There are 27 buildings since 9 taken from 36 once is 27.
- C) There are 72 buildings since 9 added to 36 four times is 72.
- D) There are 4 buildings since 9 taken from 36 four times is 0.

20. What is  $4,832 \div 4$ ?

- A) 792
- B) 972
- C) 1,028
- D) 1,208

21.

$$\square \times 3 = 12$$

Steven looks at the problem above and says that the division expression  $12 \div 3$  can be used to find the missing number.

- A) Steven is right because 3 repeated 5 times is 12.
- B) Steven is not right because 12 should have been the divisor.
- C) Steven is not right because the division expression does not include the missing number in it.
- D) Steven is right because the result of the division expression gives the product for the multiplication fact.

22. There are 126 people signed up to go white water rafting. Each raft holds 6 passengers.

How many rafts will they need?

- A) 12
- B) 18
- C) 21
- D) 24

23. What is the quotient of  $528 \div 12$ ?

- A) 41
- B) 42
- C) 43
- D) 44

24. Lily walks 12.81 miles at the same speed for 2 hours. How far did she walk per hour?

- A) 6.405 miles per hour
- B) 64.05 miles per hour
- C) 2.562 miles per hour
- D) 25.62 miles per hour