MATH 5 TEST 2

Name_____ Date_____

Directions: Complete as many problems as you can in the 30 minutes allotted to you. No calculators!

1. Which of the following is not an improper fraction?

I. $\frac{30,330}{30,303}$ II. $\frac{575,557}{575,575}$ III. $\frac{6,996}{6,969}$

(**A**) I (**B**) II (**C**) III (**D**) I and III (**E**) II and III

2. Which of the following is the least amount of money?

(**A**) 83 quarters, 78 dimes, 98 nickels (**B**) 85 quarters, 77 dimes, 91 nickels (**C**) 86 quarters, 74 dimes, 93 nickels
(**D**) 84 quarters, 76 dimes, 99 nickels (**E**) 83 quarters, 80 dimes, 95 nickels

3. If the perimeter of a square is 48 feet, find the width in *yards*.

(**A**) 1 (**B**) 3 (**C**) 4 (**D**) 5 (**E**) 6

4. In 3 hours and 22 minutes, it will be 2:09 p.m.. What time will it be in 37 minutes?

(**A**) 10:10 a.m. (**B**) 11:04 a.m. (**C**) 11:14 a.m. (**D**) 11:24 a.m. (**E**) 12:08 p.m.

5. If 840 people ride the roller coaster every 11 minutes, how many minutes would it take 9,240 people to ride?

(**A**) 88 (**B**) 99 (**C**) 110 (**D**) 121 (**E**) 132

6. Which of the following is not a factor of 58,724?

I. 4 II. 6 III. 9

(**A**) I (**B**) II (**C**) III (**D**) I and III (**E**) II, and III

7. Which number is equivalent to 40 hundred thousands, 160 hundreds?

(**A**) 4,016,000 (**B**) 4,160,000 (**C**) 40,016,000 (**D**) 40,160,000 (**E**) 400,016,000

8. If $\frac{23}{91}$ of the students have an A in history, $\frac{25}{91}$ of the students have a B, and $\frac{31}{91}$ have a C, what fraction of the students have less than a C?

(**A**) $\frac{12}{91}$ (**B**) $\frac{14}{91}$ (**C**) $\frac{15}{91}$ (**D**) $\frac{16}{91}$ (**E**) $\frac{79}{91}$

9. Dave is 19 years older than Don, and Don is 6 years younger than Dan. How much older is Dave than Dan?

(**A**) 11 (**B**) 13 (**C**) 17 (**D**) 21 (**E**) 25

10. Which of the following statements is true?

(**A**) $8.201 > 8.21$ (**B**) $7.04 < 7.0399$ (**C**) $60.00100 > 60.0010$ (**D**) $53.28 > 53.279$ (**E**) $333.337 > 333.444$

11. Which mixed number is equivalent to $\frac{296}{12}$?

(**A**) $24\frac{1}{4}$ (**B**) $24\frac{1}{3}$ (**C**) $24\frac{1}{2}$ (**D**) $24\frac{2}{3}$ (**E**) $24\frac{3}{4}$

12. The job will require you to work 82 minutes to complete. If you work $28\frac{3}{19}$ minutes the first day and $28\frac{9}{19}$ minutes the second day, how much time is left to complete the project?

(**A**) $25\frac{7}{19}$ (**B**) $26\frac{7}{19}$ (**C**) $26\frac{12}{19}$ (**D**) $27\frac{7}{19}$ (**E**) $36\frac{12}{19}$

13. Which would produce the largest remainder?
(**A**) $12{,}987 \div 32$ (**B**) $12{,}989 \div 32$ (**C**) $12{,}991 \div 32$ (**D**) $12{,}993 \div 32$ (**E**) $12{,}995 \div 32$

14. Which of the following quotients is the smallest?
(**A**) $30{,}000 \div (300 \div 4)$ (**B**) $30{,}000 \div (800 \div 4)$ (**C**) $30{,}000 \div (500 \div 4)$
(**D**) $30{,}000 \div (400 \div 4)$ (**E**) $30{,}000 \div (600 \div 4)$

15. In 241 hours, it will be 12:59 a.m. on May 10th. What is the date right now? The month of April has 30 days in it.
(**A**) April 28th (**B**) April 29th (**C**) April 30th (**D**) May 1st (**E**) May 2nd

16. After changing each fraction to a mixed number that contains a proper fraction, which fraction will have the smallest numerator?
(**A**) $\frac{13{,}988}{7}$ (**B**) $\frac{13{,}990}{7}$ (**C**) $\frac{13{,}992}{7}$ (**D**) $\frac{13{,}994}{7}$ (**E**) $\frac{13{,}996}{7}$

17. What fraction is equivalent to $\frac{13}{19}$?
(**A**) $\frac{55}{95}$ (**B**) $\frac{42}{57}$ (**C**) $\frac{48}{76}$ (**D**) $\frac{84}{114}$ (**E**) $\frac{91}{133}$

18. What is the difference between $(7 \times 1000) + (0 \times 100) + (1 \times 10) + (3 \times 1)$ and $(5 \times 1000) + (1 \times 100) + (8 \times 10) + (9 \times 1)$?
(**A**) 1,824 (**B**) 1,834 (**C**) 1,924 (**D**) 1,934 (**E**) 2,824

19. Five-ninths of the 108 students do not have a dog. How many students have a dog?
(**A**) 48 (**B**) 50 (**C**) 52 (**D**) 56 (**E**) 60

20. Which of the following has the least value?
(**A**) $984 + 984$ (**B**) $(984 \times 3) - 983$ (**C**) $(984 \times 4) - (2 \times 983)$
(**D**) $(984 \times 5) - (3 \times 983)$ (**E**) $(984 \times 6) - (4 \times 983)$

21. Which of the following has the greatest difference?
(**A**) $84\frac{19}{29} - 46\frac{11}{29}$ (**B**) $84\frac{19}{71} - 46\frac{11}{71}$ (**C**) $84\frac{19}{43} - 46\frac{11}{43}$ (**D**) $84\frac{19}{21} - 46\frac{11}{21}$ (**E**) $84\frac{19}{61} - 46\frac{11}{61}$

22. The length of a rectangular pool is 14 feet, and the perimeter is 40 feet. What is the width of the pool in feet?
(**A**) 4 (**B**) 6 (**C**) 8 (**D**) 12 (**E**) 26

23. Which of the following has the smallest value?
(**A**) $\frac{1}{5}$ of 170 (**B**) $\frac{1}{6}$ of 210 (**C**) $\frac{1}{7}$ of 231 (**D**) $\frac{1}{8}$ of 256 (**E**) $\frac{1}{9}$ of 324

24. After changing each mixed number to an improper fraction, which of the following mixed numbers would produce the largest numerator when written as an improper fraction?
(**A**) $68\frac{1}{11}$ (**B**) $67\frac{2}{11}$ (**C**) $66\frac{3}{11}$ (**D**) $65\frac{4}{11}$ (**E**) $64\frac{5}{11}$

25. Which of the following is the slowest?
(**A**) 1 foot every 10 minutes (**B**) one-half inch every 29 seconds (**C**) 1 yard every half hour
(**D**) 7 feet every hour (**E**) 1 inch every minute

MATH 5 TEST 2 ANSWERS

1. B	2. A	3. C	4. D	5. D
6. E	7. A	8. A	9. B	10. D
11. D	12. A	13. C	14. B	15. B
16. D	17. E	18. A	19. A	20. A
21. D	22. B	23. D	24. A	25. E

1. II
2. 83 quarters, 78 dimes, 98 nickels
3. $12 \div 3 = 4$
4. 10:47 + 37 = 11:24
5. $11 \times 11 = 121$
6. II and III
7. 4,016,000
8. 91 – 23 – 25 – 31 = 12
9. 19 – 6 = 13
10. 53.28 > 53.279
11. $24\frac{8}{12} = 24\frac{2}{3}$
12. $82 - 56\frac{12}{19} = 25\frac{7}{19}$
13. $12{,}991 \div 32$
14. $30{,}000 \div (800 \div 4)$
15. April 29th
16. 13,994
17. $\frac{91}{133}$
18. 7013 – 5189 = 1824
19. $\frac{4}{9} \times 108 = 48$
20. 984 + 984
21. the one with the smallest denominator
22. $\frac{40 - 28}{2} = 6$
23. $\frac{1}{8}$ of 256
24. $68\frac{1}{11}$
25. 1 inch every minute