MATH 5 TEST 1

Name_____ Date_____

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

1. Which of the following fractions has the smallest numerator?
   (**A**) $\frac{86,686}{22,220}$ (**B**) $\frac{88,668}{22,022}$ (**C**) $\frac{88,686}{22,202}$ (**D**) $\frac{86,868}{20,220}$ (**E**) $\frac{86,886}{20,022}$

2. Which of the following is an odd number?
   (**A**) 42,334 (**B**) 19,536 (**C**) 53,172 (**D**) 66,241 (**E**) 307,458

3. In 39 seconds, 26 cars drive past the house. How many seconds would it take for 34 cars to pass?
   (**A**) 50 (**B**) 51 (**C**) 52 (**D**) 53 (**E**) 54

4. If 12 salesmen each brought 5 clients to the meeting, how many people were there total?
   (**A**) 50 (**B**) 54 (**C**) 60 (**D**) 72 (**E**) 75

5. If it will be 1:09 p.m. in 2 hours and 48 minutes, what was the time 90 minutes ago?
   (**A**) 8:27 a.m. (**B**) 8:39 a.m. (**C**) 8:51 a.m. (**D**) 9:03 a.m. (**E**) 9:15 a.m.

6. What is the next number in the following sequence? 2,125; 425; 85; _____
   (**A**) 13 (**B**) 15 (**C**) 17 (**D**) 19 (**E**) 21

7. Round 606,060 to the nearest ten thousands place.
   (**A**) 61,000 (**B**) 606,000 (**C**) 606,100 (**D**) 610,060 (**E**) 610,000

8. Which of the following has the greatest sum?
   (**A**) $684+875+366$ (**B**) $685+876+363$ (**C**) $686+877+360$ (**D**) $686+876+361$ (**E**) $687+874+360$

9. A school contains 802 students and there are three lunch periods. If 276 students eat during the first lunch period and 278 eat during the second lunch period, how many eat during the last lunch period?
   (**A**) 238 (**B**) 248 (**C**) 258 (**D**) 348 (**E**) 358

10. What is the smallest number that can be written with 8, 1, 5, and 3?
    (**A**) 8,531 (**B**) 1,583 (**C**) 1,538 (**D**) 1,385 (**E**) 1,358

11. Which of the following has the largest difference?
    (**A**) $1,005-709$ (**B**) $1,005-708$ (**C**) $1,005-707$ (**D**) $1,004-707$ (**E**) $1,003-707$

12. In football, the ball needs to move 10 yards within 4 plays to get a first down. If the ball was moved 3 yards, 2 feet, 5 inches on the first play, how much is still needed to move 10 yards?
    (**A**) 6 yards, 0 feet, 5 inches (**B**) 6 yards, 0 feet, 7 inches (**C**) 6 yards, 1 foot, 5 inches
    (**D**) 6 yards, 1 foot, 7 inches (**E**) 6 yards, 7 feet, 5 inches

13. The goal of the fundraiser is to raise $500. If $72.23 is raised on the first day and $146.82 is raised on the second day, how much needs to be raised on the third day?
    (**A**) $280.95 (**B**) $281.05 (**C**) $281.95 (**D**) $290.95 (**E**) $380.95

14. In January, 16 inches of snow fell. If 9.01 inches fell during the first half of the month, how many inches of snow fell during the second half?

(**A**) 6.09 (**B**) 6.99 (**C**) 7.09 (**D**) 7.99 (**E**) 8.09

15. If 15 people evenly divide 60,000 nickels, how much money would each person get?

(**A**) \$20 (**B**) \$200 (**C**) \$400 (**D**) \$2,000 (**E**) \$4,000

16. If remote control batteries last $4\frac{1}{8}$ months, how many months would 4-dozen batteries last? Assume the controller uses two batteries at the same time.

(**A**) 99 (**B**) 100 (**C**) 101 (**D**) 102 (**E**) 103

17. If the temperature decreases 6.4 degrees and then increases 9.1 degrees to a final temperature of 55.8 degrees, what was the starting temperature?

(**A**) 51.1 (**B**) 53.1 (**C**) 53.5 (**D**) 58.1 (**E**) 58.5

18. You get paid 15 cents for each of the first 8 crickets that you catch and 10 cents for each additional cricket that you catch. How much would you get paid if you caught 17 crickets?

(**A**) \$1.90 (**B**) \$2.00 (**C**) \$2.10 (**D**) \$2.20 (**E**) \$2.30

19. A school day is 7 hours long and there are 400 seconds left in the school day. How long have the students been in school?

(**A**) 6 hours, 53 minutes, 20 seconds (**B**) 6 hours, 53 minutes, 40 seconds (**C**) 6 hours, 54 minutes, 20 seconds
(**D**) 6 hours, 54 minutes, 40 seconds (**E**) 6 hours, 55 minutes, 40 seconds

20. Which of the following has the smallest divisor?

(**A**) $6.06 \div 9.01$ (**B**) $6.1 \div 9.009$ (**C**) $6.0300 \div 9.0102$
(**D**) $6.0001 \div 9.1$ (**E**) $6.0599 \div 9.00874$

21. Which of the following will produce the smallest remainder?

(**A**) $6{,}181 \div 8$ (**B**) $6{,}182 \div 8$ (**C**) $6{,}183 \div 8$ (**D**) $6{,}185 \div 8$ (**E**) $6{,}186 \div 8$

22. If 8 golf balls cost \$3, how much would 3 dozen cost?

(**A**) \$12.50 (**B**) \$12.75 (**C**) \$13.00 (**D**) \$13.25 (**E**) \$13.50

23. Which of the following numbers is not divisible by 9?

(**A**) 185,328 (**B**) 264,735 (**C**) 573,192 (**D**) 426,843 (**E**) 371,856

24. Three hundred nine thousand ninety is how much less than five hundred ten thousand one hundred one?

(**A**) 101,011 (**B**) 200,011 (**C**) 201,011 (**D**) 210,001 (**E**) 211,111

25. Vehicle 1 gets 10 miles for every gallon of gas that it uses and vehicle 2 gets 25 miles for every gallon of gas that it uses. If a gallon of gas costs \$3, how many miles would you have to drive vehicle 2 to save \$900?

(**A**) 3,000 (**B**) 4,800 (**C**) 5,000 (**D**) 6,000 (**E**) 7,500

MATH 5 TEST 1 ANSWERS

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

1. $\frac{86,686}{22,220}$
2. 66,241
3. $\frac{3}{2} \times 34 = 51$
4. $12 \times 6 = 72$
5. 10:21- 90 = 8:51
6. $85 \div 5 = 17$
7. 610,000
8. $684 + 875 + 366$
9. 802 – 554 = 248
10. 1,358
11. 1,005 - 707
12. 6 yd. 7 in.
13. 500 – 219.05 = 280.95
14. 16 – 9.01 = 6.99
15. $\frac{60,000}{20} = 3000 \rightarrow \frac{3000}{15} = 200$
16. $24 \times 4\frac{1}{8} = 99$
17. 55.8 – 9.1 + 6.4 = 53.1
18. $15 \times 8 + 10 \times 9 = 210$
19. 7 hr – 6 min 40 sec = 6 hr 53 min 20 sec
20. 9.00874
21. 6,185
22. $108 \div 8 = 13.50$
23. 371,856
24. 510,101 – 309,090 = 201,011
25. $900 divided by $3 per gallon = 300 gallons. In 50 miles, vehicle 2 uses 2 gallons and vehicle 1 uses 5 gallons, thus saving 3 gallons. Therefore vehicle 2 must travel 50 x 100 = 5,000 miles.