Cullman Middle School Math Tournament
2012 5th Grade Test

1. Find the thousandths digit in the decimal form of 3/11.
   A. 2   B. 3   C. 7   D. 11

2. In a school of 630 students, the ratio of boys to girls is 4 to 3. How many more boys than girls are in the school?
   A. 30   B. 40   C. 90   D. 360

3. Find the hundreds digit of the sum of 17, 177, 1777, 17,777 and 177,777.
   A. 2   B. 5   C. 7   D. 9

4. Find $19^2 - 18^2$
   A. 1   B. 18   C. 19   D. 37

5. In the St. Patrick's Day basketball tournament, the Green Team scored 38, 42, 50, 26, 30 and 52 points in their six games. Find the sum of the median and range of the scores.
   A. 64   B. 66   C. 68   D. 102

6. If the area of a square is 64 cm^2, find its perimeter.
   A. 8 cm   B. 32 cm   C. 64 cm   D. 256 cm

7. The coordinates A and B are on a number line. If the coordinate of A is – 25 and the coordinate B is 5. Find the coordinate 1/5 of the way from A to B.
   A. – 19   B. – 20   C. - 1   D. 5

8. Solve for x. 72 – 16 = x – 19
   A. 37   B. 56   C. 72   D. 75

9. Evaluate $3^0 + 3^1 – 3^2 + 3^3$
   A. 21   B. 22   C. 39   D. 6

10. Complete.   888 + 444 + 222 = 222 x ___?___.
    A. 3   B. 6   C. 7   D. 8

11. Chucky Cheese shared 1/3 of his pizza with Mom, 1/8 with Dad, 1/5 with sis, and 1/6 with his little brother. How much pizza did he have left?
    A. 1/8   B. 1/3   C. 33/40   D. 7/40

12. Patty stated, " If I multiply a certain number by 3, then add six to the results, and then divide this by five, the final result is 15." What is the number with which she started?
    A. 23   B. 25   C. 30   D. 21

13. Simplify. 100 – 90 + 80 – 70 + 60 – 50 + 40 – 30
    A. 40   B. 30   C. 100   D. 0

14. Mr. Slamdunk owned eight buildings. Each building contained eight rooms. Each room contained eight cartons. Each carton contained eight boxes. Each box contained twenty basketballs. How many basketballs does Mr. Slamdunk own?
    A. 81920   B. 10240   C. 4096   D. 25600

15. Emma has two cats. Peyton has twice as many cats as Emma. Emily has twice as many cats as Peyton. Libby has twice as many cats at Emily. How many cats are there in all?
    A. 32   B. 30   C. 24   D. 22

16. Slugger's batting average is 0.375. If he batted 120 times, then how many hits did he get?
    A. 45   B. 320   C. 60   D. 31

17. Big Wheel's truck can only carry 1,750 pounds of materials. How many 80 pound bags of cement can his truck carry?
    A. 22   B. 21.8   C. 21   D. 20

18. Sandy went to sleep at 8:35 pm. She slept for 9 hours and 43 minutes. At what time did she awake?
    A. 8:18 am   B. 7:08 am   C. 6:48 am   D. 6:18 am

19. It takes twelve scoops of ice cream to make 3 banana splits. At this rate, how many scoops of ice cream will it take to make 16 banana splits?
    A. 20   B. 36   C. 48   D. 64

20. How many minutes are in 31 days?
    A. 5,760   B. 5,035   C. 4,978   D. 6,010

21. The area of a circle with radius of 8 centimeters is about _____ sq. cm.
    A. 200 cm^2 B. 148 cm^2 C. 64 cm^2 D. 92 cm^2

22. What is the 50th letter in this pattern? ABBCCCDDDD . . .
    A. I   B. J   C. K   D. L

23. Given that A = 1.234, B = 2.34 and C = 3.4, round the sum A + B + C to the nearest hundredth.
    A. 6.98   B. 200   C. 6.974   D. 6.97

24. Which is another way to write 9(418 + 47)?
    A. 9(410+40)+8+7   B. (9x428) + 47   C. 9(18+47) + 400 D. (9x418)+(9x47)

25. Find the perimeter of a rectangle with length 5 ½ in and width 3 ¼ in.
    A. 8 ¾ in   B. 15 ¾ in   C. 17 ½ in   D. 17 7/8 in

Tiebreaker 1: Find the sum of the first 10 numbers in the pattern 1,1,2,3,5,8,…

Tiebreaker 2: How many positive factors does 120 have?

Tiebreaker 3: How many pints in 3 gallons 3 quarts 3 pints?