Burger King and Southeast Bulloch High School
5th and 6th Grade Math Tournament 1998

1. $4 + 6 \times 2 \div 3$

   A. 4
   B. 5.333...
   C. 6.666...
   D. 8

2. 468.93 - 2.789 =

   A. 466.141
   B. 44.104
   C. 466.259
   D. 471.719

3. Find the 100th number in the sequence: 3, 6, 9, 12, 15, . . .

   A. 300
   B. 45
   C. 18
   D. 30

4. What number is three thousandths more than 268.4312?

   A. 3268.4312
   B. 268.7312
   C. 268.4612
   D. 268.4342

5. What is another name for two hundred seventeen and six hundredths?

   A. 217.06
   B. 207.06
   C. 217.6
   D. 207.006

6. .35 x .03

A. .105
B. .0105
C. 1.05
D. .00105

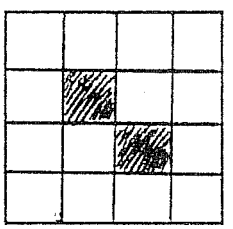
7. Convert 12.5% to a decimal:

A. 12.5
B. 1.25
C. .125
D. 1250

8. Find 25% of 200

A. 5
B. 500
C. .005
D. 50

9. What percent of the square is shaded?



A. 87.5%
B. 50%
C. 25%
D. 12.5%

10. $\frac{2}{3} + \frac{1}{5} =$

A. $\frac{12}{15}$
B. $\frac{5}{15}$
C. $\frac{3}{5}$
D. $\frac{13}{15}$

11. $8\ 2/10 - 6\ 4/10$

A. $1\ 4/5$
B. $2\ 2/5$
C. $2\ 1/5$
D. $1\ 1/10$

12. Round 324.698 to nearest hundredths

A. 300.00
B. 320.00
C. 324.60
D. 324.70

13. $-4 \times -9 =$

A. -13
B. -36
C. 13
D. 36

14. $-19 + 6 =$

A. -25
B. -13
C. 25
D. 13

15. $7/15 \times 7/8 =$

A. 49/120
B. 49/8
C. $5\ 3/8$
D. 14/23

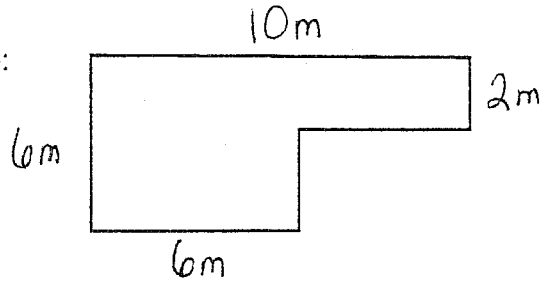
16. Find the height of a triangle with base 6 cm and areas 24 cm^2.

A. 18 cm
B. 4 cm
C. 8 cm
D. 14 cm

17. Convert $6\ 3/8$ to a decimal

A. 6.83
B. 6.375
C. 7.666...
D. 6.25

18. Find the perimeter of the figure:



A. 23 m
B. 23 m^2
C. 32 m
D. 32 m^2

19. What is the value of "y" in the number sentence: $3y + 4 = 31$

A. 9
B. 7
C. 5
D. 2

20. What is the mean of -6, 21, 5, -9, and 19.

A. -8
B. -6
C. 8
D. 6

21. Which number is less than -6?

A. -4
B. -1
C. 0
D. -8

22. The weight of all 16 monkeys in the city zoo is 1920 pounds. What would be the average weight of each monkey?

A. 120 pounds
B. 150 pounds
C. 100 pounds
D. 175 pounds

23. Which of these represents the largest fraction?

A. 3/32
B. 7/8
C. 2/5
D. 1/10

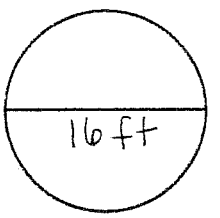
24. The Bruins' offense advanced the football 15 yards. One the next play, the quarterback was sacked and lost 23 yards. What was the total number of yards gained or lost?

A. a loss of 8 yards
B. a gain of 8 yards
C. a loss of 6 yards
D. a gain of 6 yards

25. Which of the equations means: "a" is 3 more than 4 times "b"

A. $a = 3 + 4 \times b$
B. $3(a) = 4(b)$
C. $3 = a + (4 \times b)$
D. $a = 3 + (4 \times b)$

26. What is the circumference of this circle?



A. 16π ft
B. 16π ft^2
C. 8π ft
D. 8π ft^2

27. What is the greatest common factor of 6 and 48?

A. 6
B. 8
C. 48
D. 288

28. What is the least common multiple of 3 and 9?

A. 3
B. 9
C. 27
D. 81

29. If Sue has a bag containing 3 red marbles, 6 white marbles, and 4 green marbles, what is the probability of drawing out a red marble?

A. 3 out of 13
B. 6 out of 13
C. 4 out of 13
D. 1 out of 13

30. What is the closest estimate of 39,893 - 9,899?

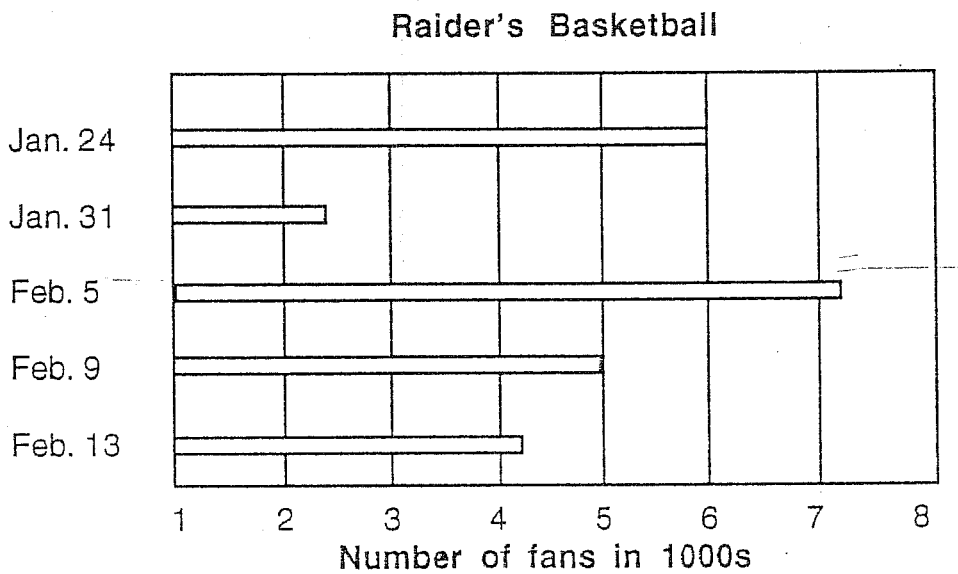
A. 3,000
B. 20,000
C. 25,000
D. 30,000

31. 6 h. 15 min.
- 2 h. 48 min.

A. 4 h. 33 min.
B. 3 h. 27 min.
C. 4 h. 27 min.
D. 3 h. 33 min.

32. Using the graph below, how many more people attended on Jan. 24 than on Feb. 9?

A. 6
B. 5,000
C. 1,000
D. 1



33. What is the median of 10, 10, 15, 20, 25?

A. 16
B. 15
C. 10
D. 30

34. The Beta Club had an end-of-year party. Twenty-five people attended. The group paid a total of $125.75 for pizza and $95.25 for bowling. How much did each person have to pay?

A. $8.84
B. $9.00
C. $7.38
D. $6.98

35. Which of the following is in increasing order?

A. .66 , .583, .5, .375
B. .375, .5, .583, .66
C. .5, .375, .66, .583
D. .375, .583, .66, .5

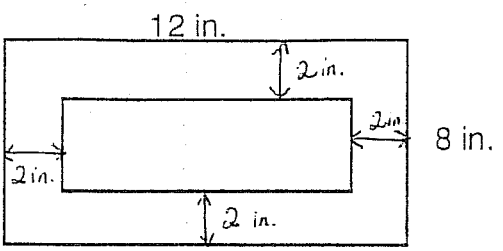
36. If Donnie has six quarters, two dimes, three nickels, and twelve pennies, how much money would he have left of he bought two $.45 candy bars?

A. $1.20
B. $1.45
C. $1.17
D. $1.07

37. You have 420 oranges on Saturday. On Monday, you give away half. On Tuesday, you sell 200 for $60. On Wednesday, you and some friends eat 6. How many oranges do you have left?

A. 4
B. 200
C. 210
D. 400

38. Find the perimeter of the inside rectangle:



A. 12 in.
B. 40 in.
C. 32 in.
D. 24 in.

39. How many different prime factors does 56 have?

A. 2
B. 3
C. 4
D. 5

40. If you only miss 6 problems on this test, what percent will you have correct?

A. 90%
B. 92%
C. 88%
D. 85%

Burger King and Southeast Bulloch
1998 Math Team 5th and 6th Grade Math Tournament
Individual Answers

1.	D	21.	D
2.	A	22.	A
3.	A	23.	B
4.	D	24.	A
5.	A	25.	A or D
6.	B	26.	A
7.	C	27.	A
8.	D	28.	B
9.	D	29.	A
10.	D	30.	D
11.	A	31.	B
12.	D	32.	C
13.	D	33.	B
14.	B	34.	A
15.	A	35.	B
16.	C	36.	D
17.	B	37.	A
18.	C	38.	D
19.	A	39.	A
20.	D	40.	D