1993 WRITTEN EXAM/CEDAR RIDGE MS 6TH GRADE MATH TOURNAMENT

Section I (Choose the best answer.)

1. What is the digit in the hundreds' place of the sum of 75,063 and 105,988?

   A. 5 B. 9 C. 4 D. 0 E. Not given

2. Round to the nearest ten thousand: 3,004,995

   A. 3,000,000 B. 3,010,000 C. 3,005,000 D. 3,004,995 E. Not given

3. Which of the following represents the shortest length?

   A. 248 mm B. 21 cm C. 2 m D. 0.9 km

4. If $6 + x = 13$, what is the value of $x - 6$?

   A. 19 B. 7 C. 1 D. 13 E. Not given

5. If the temperature measured on a Farenheit thermometer is 5 degrees below zero, the temperature can be said to be

   A. 5 degrees below freezing.
   B. 37 degrees below freezing.
   C. 25 degrees below freezing.
   D. 32 degrees below freezing.
   E. None of these

6. A student had the following scores in math: 92, 100, 88, 77, 99, 85, and 96. What is the difference in the mean and the median of these scores?

   A. 14 B. 23 C. 3 D. 1 E. Not given

7. There are only 2 prime numbers between 50 and 60. What is the product of those numbers?

   A. 2703 B. 3009 C. 3127 D. 3021 E. Not given

8. The AHS band has 247 members. They are going to travel by bus to a football game. If each bus will hold a maximum of 52 people, how many buses will be needed for the trip?

   A. 4 B. 5 C. 6 D. 4.75 E. Not given

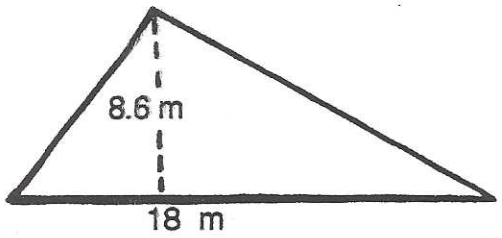
9. A triangle has one angle that is a right angle and one angle that has a measure of 37 degrees. What is the measure of the third angle?

   A. 90 B. 127 C. 63 D. 57 E. Not given

10. Simplify: $1^9 + 2^3 + 3^2$

    A. 18 B. 26 C. 24 D. 21 E. Not given

11. What is the area?



A. 154.8 m^2 B. 26.6 m^2 C. 77.4 m^2 D. 53.2 m^2 E. Not given

12. Find the sum of the 2 largest fractions in the following list:

$\frac{2}{3}$ $\frac{3}{8}$ $\frac{7}{12}$ $\frac{1}{2}$ $\frac{2}{5}$

A. $\frac{23}{24}$ B. $1\frac{1}{24}$ C. $1\frac{1}{4}$ D. $1\frac{3}{8}$ E. Not given

13. How many square inches are in a 10-inch (diameter) pizza? (Let pi = 3.14.)

A. 31.4 B. 62.8 C. 314 D. 78.5 E. Not given

14. Which is <u>not</u> a prime number?

A. 2 B. 3 C. 51 D. 41 E. Not given

15. You have three and one-half pounds of peanuts. How many 4-ounce packages can you make?

A. 14 B. 10.5 C. 13 D. 7 E. Not given

16. What is $\frac{4}{5}$ as a percent?

A. 45% B. 54% C. 90% D. 80% E. Not given

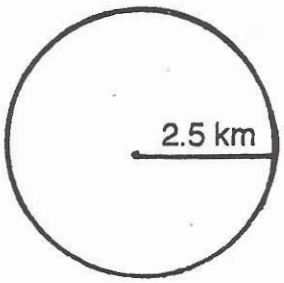
17. The regular price of a pair of jeans was $60. They were put on sale for one-fourth off the regular price. If you bought the jeans on sale and paid an 8% sales tax, what is the total cost?

A. $51.84 B. $48.60 C. $16.20 D. $ 45.80 E. Not given

18. Which number is the largest?

A. 1.600 B. 1.06 C. $1.\overline{6}$ D. 1.660

19. Find the circumference of the circle.
Use pi = 3.14.



A. 19.625 km
B. 7.58 km
C. 15.7 km
D. Not given

20. Find the missing number: _____ x 83.6 = 836,000

A. 10,000
B. 1,000
C. 100
D. Not given

Section II. (No answer choices are given for this section. Write your answers clearly on the blanks on your answer sheet.)

21. What is the GCF (greatest common factor) of 32 and 48?

22. What is 25% of 50% of 120?

23. The perimeter of a square is 48 inches. The area of that square is how many square inches?

24. Find the missing exponent.

$$6^{2} + 4^{\square} = 100$$

25. Bill ate three-eighths of the pizza, Hillary ate one-fourth, Chelsea ate one-third, and Socks ate the rest. What fraction did Socks eat?

END OF EXAM

Be sure to leave your answer sheet with the monitor.
You may keep this copy of the exam.