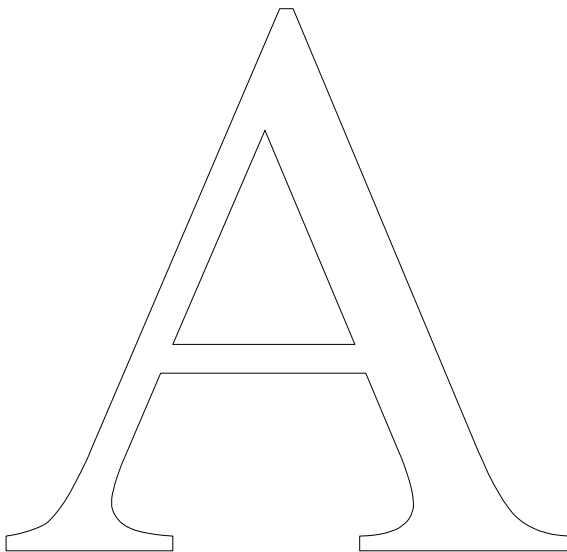


***REMT 2006***

***ANSWERS***



***ARITHMETICAL***

***ANALYSIS***

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
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11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_

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LAST NAME

FIRST NAME

GRADE

Be sure to write each of your answers on the answer sheet.

1. The sum of the odd integers from 1 to 99 is 2500. What is the sum of the even integers from 2 to 100?
2. 45% of 70 is 70% of what number?
3. What is the remainder when 567 is divided by 89?
4. What is the cube root of 21,952?
5. What is the smallest integer that is an exact multiple of each of 72, 96, and 162?

6. If the number 50 is increased by 20%, and if that result is then decreased by 30%, what is the final result?
7. When a certain positive number is added to its square, the result is 506. What is that number?
8. What is the exact value, expressed as a fraction in lowest terms, of  $\frac{1}{2} - \frac{1}{3} + \frac{1}{4}$ ?
9. What is the exact value, expressed as a fraction in lowest terms, of  $1\frac{3}{4} \div 5\frac{5}{6}$ ?
10. What is the exact value of  $\sqrt{7\frac{1}{9}}$ ?

11. I got a score of 85% on my spelling test. How many words did I get wrong out of the 40 words on the test?
12. A six-ounce package of cookie dough will make 32 cookies. How many cookies can I expect to make using a 15 ounce package of the same dough?
13. Two-thirds of sixty-five is five-sixths of what number?
14. What number is  $\frac{3}{5}$  of the way from 21 to 66?
15. If one-third were men, one-fourth were boys, one-sixth were women, and six were girls, how many were there altogether?