

REMT 2003

ANSWERS



ARITHMETICAL

ANALYSIS

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

LAST NAME

FIRST NAME

GRADE

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

1. The sum of the integers from 1 to 40 is 820. What is the sum of the integers from 41 to 80 ?
2. What is 10% of 20% of 30 ?
3. What is the remainder when 12345 is divided by 678 ?
4. Find a number whose cube is 17576.
5. If the number 60 is increased by 50%, and if that result is then decreased by 50%, what is the final result?

6. When a certain positive number is subtracted from its square, the result is 1056. What is that number?
7. What is the exact value, expressed as a fraction in lowest terms, of $\frac{1}{3} + \frac{1}{5} + \frac{1}{7}$?
8. What is the exact value, expressed as a fraction in lowest terms, of $4\frac{2}{3} - 1\frac{1}{5}$?
9. What is the exact value, expressed as a fraction in lowest terms, of $3\frac{3}{4} \div 5\frac{1}{4}$?
10. What is the exact value of $\sqrt{7\frac{9}{16}}$?

