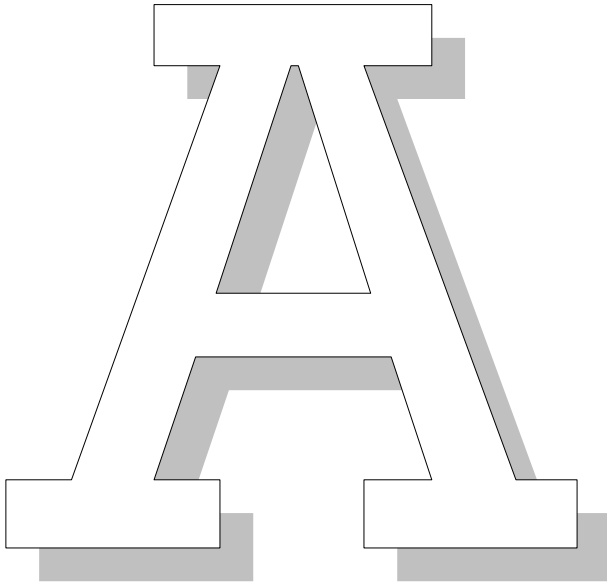


REMT 2009

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 100 is 5,050. What is the sum of the integers from 101 to 200?
2. 36% of 60 is 45% of what number?
3. What is the exact value of $\sqrt{5\frac{4}{9}}$?
4. What is the cube root of 29,791?
5. What is the largest integer that evenly divides each of 360, 660, and 900?

6. What is the remainder when 9,999 is divided by 123?
7. What is the largest prime factor of 91,800?
8. What is the exact value, expressed as a fraction in lowest terms, of $\frac{1}{4} - \frac{2}{3} + \frac{5}{6}$?
9. What is the exact value, expressed as a fraction in lowest terms, of $2\frac{2}{3} \div 3\frac{1}{5}$?
10. What is the exact value, expressed as a fraction in lowest terms, of $\frac{\frac{1}{5} + \frac{3}{7}}{\frac{2}{6} + \frac{4}{8}}$?

