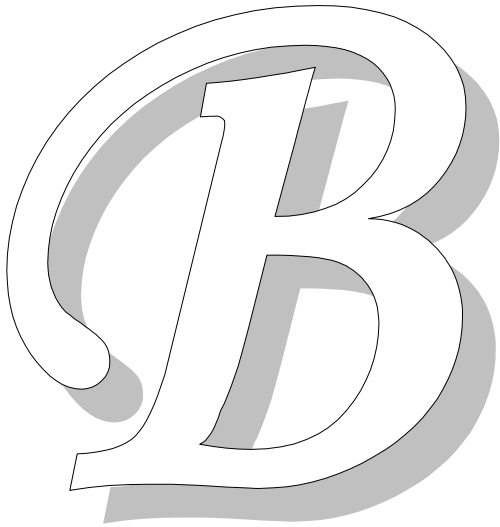


REMT 2008

ANSWERS



CALCULATIONAL

COMPUTATION

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 odd integers from 1 to 199?
2. The equation $x^2 = 10x - 23$ has two positive solutions. What is the smaller of these two solutions?
3. There are four consecutive odd integers that add up to 376. What is the smallest of these four integers?
4. There are four consecutive odd integers whose product is 12,924,009. What is the smallest of these four integers?
5. I have \$31.85 in pennies, nickels, dimes, quarters, and half-dollars. If I have an equal number of coins of each kind, how many coins do I have altogether?

6. Simplify as much as possible the expression $\frac{x^5 y^2 z^4}{x^{-2} y^0 z^3}$.
7. Simplify as much as possible the expression $\frac{x^2 - 4}{x^2 + 2x - 8}$.
8. Simplify as much as possible the expression $\frac{\sqrt{x}}{\sqrt{x+2}} + \frac{\sqrt{x}}{\sqrt{x-2}}$.
9. Solve for x in the equation: $\frac{2}{x} + \frac{3}{4} = \frac{5}{6}$.
10. Solve $s = \frac{3t}{t-5}$ for t in terms of s .

