Dr. M.K.K. ARYA MODEL SCHOOL, PANIPAT

CLASS- VIII

MATHS ASSIGNMENT

(CH. SQUARE AND SQUARE ROOTS)

1. Show that 1764 is a perfect square. Find the number whose square is 1764.
2. Show that 6292 is not a perfect square.
3. By what least number should 3675 be multiplied to get a perfect square number? Also, find the number whose square is the new number?
4. By what least number should 6300 be divided to get a perfect square number? Find the number whose square is the new number?
5. Find the largest number of 3 digits, which is a perfect square.
6. Find the least number of 4 digits, which is a perfect square.
7. Evaluate $\sqrt{4356}$.
8. A general arranges his soldiers in rows to form a perfect square. He finds that in doing so, 60 soldiers are left out. If the total number of soldiers be 8341, find the number of soldiers in each row.
9. Find the square root of $1\frac{56}{169}$.
10. Find $\sqrt{98} \times \sqrt{162}$.
11. What least number must be added to 594 to make the sum a perfect square?
12. Find the least number which must be subtracted from 2361 to make it a perfect square.
13. Find the square root of $\frac{1225}{2025}$.
14. Evaluate: $\sqrt{10.0489}$.
15. Express 64 as the sum of 8 odd natural numbers.
16. Find the least square number which is exactly divisible by each of the numbers 6, 9, 15 and 20.
17. Evaluate $\sqrt{5329}$ using long division method.
18. Find the least number of six digits which is a perfect square. Find the square root of this number.