8 CLASS MATH TUITION ASSIGNMENT

Assignment – 6

Assigned To = Mradul Tiwari , Yuvraj Singh Tomer

Chapter = Squares and Square Roots

Submission Date = 12 September 2021 **MM = 20**

Q1. Find the square root of 144 by the method of repeated subtraction.

Q2. Find the smallest number by which 1800 must be multiplied so that it becomes a perfect square. Also find the square root of the perfect square so obtained.

Q3. The area of a square field is 5184 m^2. A rectangular field, whose length is twice its breadth has its perimeter equal to the perimeter of the square field. Find the area of the rectangular field.

Q4. 1225 plants are to be planted in a garden in such a way that each row contains as many plants as the number of rows. Find the number of rows and the number of plants in each row.

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Q5. A school collected Rs 2304 as fees from its students. If each student paid as many paise as there were students in the school, how many students were there in the school?

Q6. Write a Pythagorean triplet whose smaller member is 6 , 8

Q7. Using prime factorization, find the square root of 729

Q8. Find the least square number which is divisible by each of the number 4, 8 and 12.

Q9. Find the square roots of the following decimal numbers (i) 1056.25 (ii) 10020.01

Q10. A ladder 10 m long rests against a vertical wall. If the foot of the ladder is 6 m away from the wall and the ladder just reaches the top of the wall, how high is the wall?