



INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS
WORKSHEET # 6



Subject : MATHEMATICS	Topic : SQUARES AND SQUARE ROOTS	Date of Worksheet : 03/09/2018
Resource Person: Mrs. Indu.P		
Name of the Student _____	Class & Division: _____	Roll Number : _____

Sl.No.	CHAPTER BASED QUESTIONS	Marks
1.	Check whether 1764 is a perfect square ?	1
2.	List out the square numbers between 16 and 81.	1
3.	Express 100 as the sum of 10 odd numbers.	1
4.	Write a Pythagorean triplet whose smallest member is 20.	2
5.	Find the square root of the following numbers : (i) 4356 (ii) 11025 (iii) 324 (iv) 576	2
7.	Find the least number which must be subtracted from 2509 to make it a perfect square.	2
8.	Find the least square number which is exactly divisible by each of the numbers 8, 12, 15 and 20.	2
9.	In an auditorium , the number of rows is equal to the number of chairs in each row. If the capacity of the auditorium is 2025, find the number of chairs in each row.	2
10.	Find the smallest number by which 396 must be multiplied to get a perfect square. Also, find the square root of the perfect square so obtained.	3
11.	Find the smallest number by which 2925 must be divided to get a perfect square. Also, find the square root of the perfect square so obtained.	3
12.	Find the least number which must be added to 8400 to obtain a perfect square. Find this perfect square and its square root.	3
HOT QUESTIONS		
1.	The area of a square field is 8281 m ² . Find the length of its side.	3
2.	Find the square root of $4\frac{53}{169}$	3
3.	Simplify: $(\sqrt{81} + \sqrt{0.81} + \sqrt{0.0081}) \times \sqrt{10000}$	3
4.	Find the least square number which is exactly divisible by each of the numbers 6 , 9 , 10 , 15 and 20	4