

**BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL
VADODARA**

Class:VIII	WORKSHEET-Squares and square roots	Date:
Div:	Name of the student:	Mathematics

- 1) Write the Pythagorean triplets where one member is
a) 17 b) 20 c) 15
- 2) Using prime factorization method, find the square root of
a) 7056 b) 324
- 3) Using long division method find the square root of
a) 4096 b) 1444
- 4) Find the least number that must be subtracted from each of the numbers given to get a perfect square. Also find the square root of the perfect square so obtained.
a) 252 b) 2000 c) 99999
- 5) Find the smallest number that must be added to each of the numbers given to make it a perfect square. Also find the square root of the perfect square so obtained.
a) 1300 b) 367 c) 5607
- 6) For a school function, 6000 chairs have to be arranged in rows and columns such that the numbers of rows is equal to the number of columns. Find out if all the chairs will be used in this arrangement. If not, how many will be left?
- 7) Find the square root of the given numbers
a) 12.25 b) 2.56 c) 0.1089
- 8) Find the square root of the numbers up to two decimal places:
a) 7 b) 1.1 c) 13.25
- 9) The students of Class VIII of a school donated Rs 2401 in all, for Prime Minister's National Relief Fund. Each student donated as many rupees as the number of students in the class. Find the number of students in the class.
- 10) Find the value of $\sqrt{\frac{1}{16} + \frac{1}{9}}$
- 11) If $\sqrt{3^n} = 27$, find the value of n.
- 12) Find the value of $\sqrt{3969}$ and $\sqrt{324}$. Hence find the value of $\sqrt{39.69} - \sqrt{0.0324}$
- 13) Area of a square plot is 2304sq.m. find the side of the square.
- 14) Find the value of $100^2 - 99^2$
- 15) Express 64 as the sum of any eight numbers.