

DELHI PUBLIC SCHOOL, SRINAGAR

Worksheets Class 8th

TOPIC: Square and square roots

Worksheet - First

Name..... class..... Sec..... Roll No.

1. Which of the following are perfect Squares?
(i) 4225 (ii) 4517 (iii) 1024
2. Find the least number by which 7688 should be multiplied so that the resulting number becomes a perfect square.
3. Find the greatest 3-digit number which is a perfect square.
4. Find the least 4-digit number which is a perfect square.
5. Express each of the following as the sum of two consecutive natural numbers.
(i) 13^2 (ii) 19^2
6. Express 100 as the sum of 10 odd natural numbers.
7. Write the digit at units place in each of the following :
(i) 37^2 (II) 46^2
8. State with the reason ; which of the following cannot be perfect squares?
(I) 5602 (II) 5617 (III) 12769
9. How many non square natural numbers are there between 11^2 and 13^2 ?
10. Express 29 as difference of the squares.
11. Fill in the blanks
(I) Square of every even natural number is annumber.
(II) A natural number ending with odd number of zeroes.....be a perfect square.

(III) The square of a natural number n is equal to sum of first n natural numbers.

Marks..... Grade..... Teachers Sig._____

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TOPIC: Square and square roots

Work sheet - 2nd

1. By prime factorization find the square root of;

(i) 8281 (ii) 7744

2. By division method ,find the square root of;

(i) 5929 (ii) 3364

3. Find square root of ;

(i) $\frac{243}{867}$ (ii) $\frac{1183}{5103}$

4. Find the square root of ; (i) 2.89 (ii) 26.01

5. Find the value of $\sqrt{5}$ correct to three decimal places;

6. The area of a square field is 60025 sqm. Find the perimeter of the field.

7. Find the square root of 362.1409.

8. Tick the correct alternative:

(i) The square root of 37.21 is

(a) 6.9 (b) 5.9 (c) 6.1 (d) 5.1

(ii) The square root 0.4 is

(a) 0.2 (b) 0.02 (c) 0.63 (d) 0.16

(ii) Which of the following is not a square number

(a) 625 (b) 10000 (c) 1000 (d) 100

(iv) The square root of 12321 will have

- (a) 2digits (b) 3digits (c) 4digits (d) 5digits

(v) The least number subtracted from 743 to get a perfect square

- (i) 14 (b) 41 (c) 98 (d) 118

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