

Worksheets

Class 8

Square and square roots

1. Which of the following are perfect Squares?

(i) 2601 (ii) 2304 (iii) 2785

2. Find the least number by which 5733 should be multiplied so that the resulting number becomes a perfect square.

3. Find the greatest 2-digit and 3-digit numbers which are the perfect square.

4. Find the least 3-digit number which is a perfect square.

5. Express each of the following as the sum of two consecutive natural numbers.

(i) 14^2 (ii) 27^2

6. Express 64 as the sum of 8 odd natural numbers.

7. Write the digit at units place in each of the following :

(i) 57^2 (ii) 76^2

8. State with the reason without calculation; which of the following never be perfect squares?

(I) 8602 (II) 9617 (III) 12769

9. How many non square natural numbers are there between 17^2 and 18^2 ?

10. Express two consecutive square numbers whose difference is 33.

11. Fill in the blanks

(I) Square of every even natural number is an..... number.

(II) A natural number ending with odd number of zeroes.....be a perfect square.

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

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