



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



SUBJECT :Arithmetic  
Marks:15

CLASS 8  
Work sheet 6  
SQUARES AND SQUARE ROOTS

Date:12.4.2020

**Answer all the following questions(1×15=15)**

1. Square of an even number is always

- (a) even
- (b) odd
- (c) even or odd
- (d) none of these

2.

$\sqrt{208 + \sqrt{2304}}$  is equal to

- (a) 18
- (b) 16
- (c) 14
- (d) 22

3.

$\sqrt{0.0016}$  is equal to

- (a) 0.04
- (b) 0.004
- (c) 0.4
- (d) none of these

4. The smallest number by which 75 should be divided to make it a perfect square is

- (a) 1
- (b) 2
- (c) 3

(d) 4

5. Question 9.

$\sqrt{3 + \frac{6}{25}}$  is equal to

(a)  $\frac{5}{9}$

(b)  $\frac{4}{5}$

(c)  $\frac{9}{5}$

(d)  $\frac{5}{4}$

6. The smallest number by which 162 should be multiplied to make it a perfect square is

(a) 4

(b) 3

(c) 2

(d) 1

7. If the area of a square field is 961 unit<sup>2</sup>, then the length of its side is

(a) 29 units

(b) 41 units

(c) 31 units

(d) 39 units

8. The smallest number that should be subtracted from 300 to make it a perfect square is

(a) 11

(b) 12

(c) 13

(d) 14

Solution:

9. Given that  $\sqrt{1521} = 39$ , the value of  $\sqrt{0.1521} + \sqrt{15.21}$  is

(a) 42.9

(b) 4.29

(c) 3.51

(d) 35.1

10. If a number has digits ..... in the unit's place, then its square ends in 11

- (a) 1,9
- (b) 2,3
- (c) 4,6
- (d) 7,8

11. Number of zeros in the end of the square of 400 is .....

- (a) 5
- (b) 4
- (c) 2
- (d) 6

12. A number ending in an even number of .....is always a perfect square.

- (a) 2' s
- (b) 0' s
- (c) 3' s
- (d) 1' s

13. Square of an odd number is always an ..... number.

- (a) prime
- (b) even
- (c) odd
- (d) none of these

14. Square of any ..... number can be expressed as the sum of two consecutive natural numbers

- (a) odd
- (b) prime
- (c) even
- (d) none of these

15. Square of an even number is always

- (a) negative
- (b) even
- (c) odd
- (d) none of these



