



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Arithmetic
Duration: 40 min

Class: 7
Worksheet Solution 22
SQUARE ROOT

Date: 14.05.20
Full Marks: 15

Choose the Correct options:

1 . Which of the following numbers is a perfect square?

- (a) 141
- (b) 196**
- (c) 124
- (d) 222

2. A perfect square number can never have the digit at the units place.

- (a) 1
- (b) 4
- (c) 8**
- (d) 9

3. Which of the following is a Pythagorean triplet?

- (a) (2, 3, 5)
- (b) (5, 7, 9)
- (c) (6, 9, 11)
- (d) ((8, 15, 17)**

4. Sum of the first n odd natural numbers is

- (a) $2n + 1$
- (b) n^2**
- (c) $n^2 - 1$
- (d) $2n^2 + 1$

5. $\sqrt{5625} = ?$

- (a) 55
- (b) 65
- (c) 75**
- (d) 85

6. What least number must be added to 6072 to make it a perfect square?

- (a) 6
- (b) 10
- (c) 12**
- (d) 16

7. $\sqrt{0.09} = ?$

- (a) 0.3**

- (b) 0.03
- (c) 0.33
- (d) 0.94

8. $\sqrt{0.00059049}$ is equal to

- (a) 0.243
- (b) 0.0243**
- (c) 0.00243
- (d) 0.000243

9. $\sqrt{1.0816} = ?$

- (a) 1.04**
- (b) 1.286
- (c) 0.904
- (d) 1.35

10. $\sqrt{0.9} \times \sqrt{1.6} = ?$

- (a) 0.12
- (b) 1.2**
- (c) 0.75
- (d) 12

11. $\frac{\sqrt{288}}{\sqrt{128}} = ?$

- (a) $\sqrt{3/2}$
- (b) $3/\sqrt{2}$
- (c) $3/2$**
- (d) 1.49

12. $\sqrt{4 \frac{57}{196}} = ?$

- (a) $2^{1/14}$**
- (b) $2^{3/14}$
- (c) $2^{5/14}$
- (d) $2^{9/14}$

13. Which of the following is the number of non-perfect square number between 172 and 182?

- (a) 613
- (b) 35
- (c) 34**
- (d) 70

14. Which of the following is the difference between the squares of 21 and 22?

- (a) 21

- (b) 22
- (c) 42
- (d) 43**

15. What is value of $\sqrt{56 + \sqrt{56 + \sqrt{56 + \sqrt{56 + \dots}}}}$

- (a) 7.48....
- (b) 7
- (c) 8**
- (d) None of the above