



**ST. LAWRENCE HIGH SCHOOL**  
A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Arithmetic**  
**Duration: 40 min**

**Class: 7**  
**Worksheet 37**

**Date: 20.06.20**  
**Full Marks: 15**

**SQUARE AND CUBE ROOTS**

**Choose the Correct options:**

1. What is a square?
  - (a) Something you multiply by the 3rd power
  - (b) A shape
  - (c) A number you obtain by multiplying a number by itself
  - (d) A box
  
2. What is a square root
  - (a) A number to the second power
  - (b) A square that has roots on it
  - (c) Square roots are numbers that produce a specified quantity when multiplied by itself
  - (d) Base of a box
  
3. Square root of 16 is....
  - (a) 8
  - (b) 4
  - (c) 2
  - (d) 3
  
4. The square root of 256 is...
  - (a) 15
  - (b) 18
  - (c) 13
  - (d) 16
  
5.  $-\sqrt{144}$ 
  - (a) 12
  - (b) 13
  - (c) -12
  - (d) None of the above
  
6. the square root  $\sqrt{-25}$  is..
  - (a) 5
  - (b) -5
  - (c) 8
  - (d) none of the above
  
7.  $b^2=361$ ,  $b=...$ 
  - (a) 19
  - (b) 20
  - (c) 16
  - (d) 17

8. The  $\sqrt{40}$  is between which two integers?

- (a) 7 & 8
- (b) 6 & 7
- (c) 5 & 6
- (d) 4 & 5

9.  $13^2$

- (a) 26
- (b) 196
- (c) 144
- (d) 169

10. The  $\sqrt{20}$  is between which two integers?

- (a) 2 & 3
- (b) 3 & 4
- (c) 4 & 5
- (d) 5 & 6

11.  $\sqrt{36}$

- (a) 4
- (b) 6
- (c) 12
- (d) 18

12.  $\sqrt[3]{8}$

- (a) 2
- (b) -2
- (c)  $\pm 2$
- (d) None

13. Find the cube root(s):  $\sqrt[3]{1}$

- (a) 1
- (b) -1
- (c)  $\pm 1$
- (d) none

14. The area of a square painting is  $81 \text{ cm}^2$ . What is the side length of the painting?

- (a) 40.5 cm
- (b) 162 cm
- (c) 6,561 cm
- (d) 9 cm

15. Solve.  $\sqrt{9} \times \sqrt{100}$

- (a) 30
- (b) -200
- (c) 900
- (d) 90