



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Arithmetic

Class: 7

Date: 13. 05.20

Duration: 40 min

Worksheet 21

Full Marks: 15

## SQUARES AND SQUARE ROOTS

Choose the Correct options:

1) By what least number should we multiply 1008 to make it a perfect square?

- a. 8 b. 7 c. 2 d. 5

2) What should come in place of question mark in

$$\frac{\sqrt[3]{?}}{2.56} = \frac{100}{?}$$

- a. 16 b. 4 c. 64 d. 256

3) What should come in place of question mark in

$$\frac{90}{?} = \left( \sqrt{\frac{64}{729}} \right)^{-\frac{1}{3}}$$

- a. 45 b. 30 c. 60 d. 90

4)  $(8.01)^2 + ? = (8.97)^2$  What will approximately come in place of question mark?

- a. 13 b. 14 c. 19 d. 16

5)  $(0.4)^2 + (0.2)^2 = ?$

- a. 0.04 b. 0.4 c. 0.06 d. 0.2

6) Four-fifth of one-eighth of  $\frac{3}{4}$ th of A is 64. What is the cube root of  $\frac{3}{5}$ th of A?

- a. 5 b. 8 c. 3 d. 4

7) Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.

- a. 136 b. 9 c. 64 d. 8

8) Which is greatest among the following numbers?

$$2\sqrt{2}, \sqrt{7}, 2\sqrt{3}, \sqrt{5}$$

- a.  $\sqrt{7}$  b.  $2\sqrt{2}$  c.  $2\sqrt{3}$  d.  $\sqrt{5}$

9) The value of  $\sqrt{6 + \sqrt{6 + \sqrt{6 + \sqrt{6 + \dots}}}}$

- a. 2 b. 5 c. 4 d. 3

10) If square root of 5625 is 75, then  $5625 + 56.25 + 0.5625$  is equal to

- a. 9 b. 83.25 c. 82.80 d. 8.325

11) The value of $\sqrt[3]{0.000027} \times 0.008$ is a. 0.0006 b. 0.06 c. 0.006 d. 0.6	
12) What is smallest number with which 5400 may be multiplied so that the product is perfect cube? a. 5 b. 3 c. 4 d. 6	
13) Find value of $1/(\sqrt{25} - \sqrt{2})$ , if $\sqrt{2} = 1.414$ ? a. 1.320 b. 1.010 c. 7 d. 0.7	
14) What least number should be multiplied with 384 to make it a perfect square? a. 3 b. 6 c. 2 d. 8	
15) What is $225^2$ ? a. 50225 b. 50125 c. 55225 d. 50625	