ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Arithmetic **Class: 7** **Date: 13. 05.20**

Duration: 40 min **Worksheet Solutions 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 $3/4^{th}$ of A is 64. What is the cube root of $3/5^{th}$ 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. $\mathbf{2\sqrt{3}}$ d. $\sqrt{5}$

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

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 $1/(\sqrt{25} - \sqrt{})$, 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**