# ST. LAWRENCE HIGH SCHOOL

**A JESUIT CHRISTIAN MINORITY INSTITUTION**

**CLASS 8**

SUBJECT :Arithmetic **Work sheet 6 answer key**

Marks:15 Cubes and Cube roots

**Date:23.11.2020**

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

1. _____ is a perfect cube

**A)216**

B)45

C)342

D)111

2. _____ is not a perfect cube

A) 1
B) 125
C) 1000
**D) 200**

3. a×a×a=_____

A) $a^2$
**B) $a^3$**
C) a
D) None of these

4. The cube root of 3375 is _____

**A) 15**

B) 25

C) 35

D) None of these

5. Cube root of a negative number is always _____

A) even

B)odd

**C) negative**

D) none of these

6. The cube root of – 0.512 is _____

A) 0.9

**B) - 0. 8**

C) 0.17

D) none of these

7. The smallest number by which 675 should be multiplied so that the product is a perfect cube_____

**A) 5**

B) 8

C) 7

D) 6

8. $(0.9)^3$ = ?

A) 0.72

**B) 0.729**

C) 7.29

D) 72.9

9. Find the cube root of -2744/4096

A) -14/16

B) 3/17

C) 15/24

D) 17/13

10. Which of the following is the cube of an odd number?

A)2744

**B)12167**

C)8000

D)32768

11. $(1.7)^3$ = ?

**A) 4.913**

B) 2.345

C) 1.239

D) none of these

12. The least possible value of A for which 40×A is a perfect cube is

**A) 200**

B) 100

C) 500

D) 300

13. Cube root of 24389 is

**A) 29**

B) 19

C) 39

D) 27

14. Find the cube root of 1.331

**A) 1.1**

B) 11.1

C) 111

D) 0.11

15. Find the cube root of 185193

**A)57**

B)47

C)43

D)37

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