



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT: Arithmetic

Marks: 15

Date: 6.2.21

Work sheet 7

Cubes and Cube roots

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

1. _____ is a perfect cube

A)125

B)45

C)342

D)111

2. _____ is not a perfect cube

A) 1

B) 125

C) 1000

D) 300

3. $a^3 =$ _____

A) a^2

B) $a \times a \times a$

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 -0.729 is _____

A) 0.9

B) - 0.9

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. $(0.7)^3 = ?$

A) 0.72

B) 0.343

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 even number?

A) 729

B) 10648

C) 125

D) 27

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 $40 \times A$ 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

Indranil Ghosh

