ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :Arithmetic

Work sheet 6

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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