



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

## CLASS 8

**SUBJECT :ArithmeticWork sheet9 Answer key**

**Marks:15Cubes andCube roots**

**Date:13.2.21**

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

- Numbers obtained when a number is multiplied by itself three times are known as -----
  - Square numbers
  - Cube numbers
  - Perfect numbers
- If in the prime factorisation of any number each factor appears three times, then the number is a -----
  - Perfect cube
  - Perfect square
  - Perfect number
- Numbers like 1729, 4104, 13832 are known as ----- Numbers
  - Hardy – Ramanujan
  - Archimedes
  - Eratosthenes
- Which of the following is not a perfect cube?
  - 1000
  - 1728
  - 100
- There are ----- perfect cubes from 1 to 1000.
  - 5
  - 10
  - 15
- Cube of any odd number is -----
  - Even
  - Odd
  - Prime
- The cube root of 8000 is -----
  - 20
  - 40
  - 80
- Which of the following is the cube of an even natural number?
  - 2197
  - 4096

C. 6859

9. The one's digit of the cube of 21 is -----

A. 1

B. 2

C. 3

10. The smallest natural number by which 392 must be multiplied so that the product is a perfect cube-----

A. 2

B. 3

C. 7

11. Cube root of 64 is -----

A. 4

B. 8

C. 12

12. By which smallest number should 53240 be divided so that the quotient is a perfect cube?

A. 5

B. 3

C. 11

13. Cube root of an even number is always an ----- number

A. Odd

B. Even

C. Prime

14. Figures which have 3- dimensions are known as -----

A. Solid figures

B. Geometric figures

C. Simple figures

15. Each prime factor appears ----- times in its cubes.

A. 1

B. 2

C. 3

**ANSWERS:**

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1. Cube numbers

2. Perfect cube

3. Hardy- Ramanujan

4. 100

5. 10

6. Odd

7. 20

8. 4096

9. 1

10. 7

11. 4

12. 5

13. Even

14. Solid figures

15.3

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