Cubes & Cube Roots Worksheet – 2

1. Find the cube root of 2197.

a)   23

b)   13

c)   27

d)   33

2. Find the cube root of $\frac{-6859}{8000}$.

a) $\frac{-19}{20}$

b) $\frac{29}{20}$

c) $\frac{19}{20}$

d) $\frac{39}{20}$

3. Find cube root of 27.8181.

a)   2.021

b)   4.29

c)   3.03

d)   1.09

4. Find cube root of $\frac{17576}{4096}$.

a) $\frac{24}{13}$

b) $\frac{13}{16}$

c) $\frac{16}{26}$

d) $\frac{26}{16}$

5. Find the cube of $2\frac{1}{5}$ we get _____.

a) $\frac{1331}{125}$

b) $\frac{125}{1331}$

c) $\frac{1441}{125}$

d) $\frac{1651}{125}$

6. Which of the following is cube of odd number?

a)   4913

b)   5832

c)   2744

d)   None of these

7. Which is the following numbers are cube of negative integer?

a)   -4096

b)   -361

c)   -1805

d)   -7072

8) No cubes are end with two zero. Mark True / False.

a)   True

b)   False

9. There is no perfect cube which ends in 9. Mark True / False.

a)   True

b)   False

10. For an integer M, M^3 is always greater than M^2. Mark True / False.

a)   True

b)   False

11. If m divide n, then m^3 divide n^3. Mark True / False.

a)　　True

b)　　False

12. If n^2 ends in 6, then n^3 ends in 36. Mark True /False.

a)　　True

b)　　False

13. Three numbers are in the ratio 1 : 3 : 4. The sum of their cubes is 11,500. Find the numbers.

a)　　5, 15, 20

b)　　10, 30 ,40

c)　　5, 25, 125

d)　　3, 6, 18

14. Find the smallest number by which 5184 should be multiplied so that product is a perfect cube. Also find the cube root of the product.

a)　　6 and 26

b)　　9 and 36

b)　　9 and 33

d)　　None of these

15. Find the side of cube whose volume is 79,507cm^3.

a)　　29 cm

b)　　19 cm

c)　　39 cm

d)　　43 cm

16. Cube of $\frac{-15}{9}$ is _____.

a)　　$\frac{-274}{729}$

b)　　$\frac{-2375}{529}$

c)　　$\frac{2744}{729}$

d)　　$\frac{-337}{729}$

17. Find cube root of $1\frac{604}{125}$ is _____.

a)　　$\frac{-7}{5}$

b)　　$\frac{-5}{9}$

c)　　$\frac{5}{7}$

d)　　$1\frac{4}{5}$

18. If a number can be expressed as the triplets of equal prime number, then it is known as _____.

a)　　Square

b)　　Square root

c)　　Cube root

d)　　Perfect cube

19. Two numbers are in the ratio 2 : 4. If difference of their cube is 3584, find the numbers.

a)　　4 and 5

b)　　8 and 16

c)　　8 and 12

d)　　None of these

20. Difference of two perfect cube is 602. If the cube root of the greater of two numbers is

11, find the cube root of the smaller number.

a)   9   b)   6

c)   8   d)   3