



Cubes and Cube Roots

Question 1.

How many digits will be there in the cube root of 46656?

- (a) 2
- (b) 1
- (c) 3
- (d) 4

Answer: (a) 2

Question 2.

Ones digit of cube of a number depends on the _____ of the number.

- (a) tens digit
- (b) ones digit
- (c) hundred digit
- (d) none of these

Answer: (b) ones digit

Question 3.

What will be the unit digit of the cube root of a number ends with 8?

- (a) 2
- (b) 8
- (c) 4
- (d) 6

Answer: (a) 2

Question 4.

The symbol for cube root is _____.

- (a) $\sqrt{3}$
- (b) $\sqrt[3]{}$

- (c) $2\sqrt{3}$
- (d) $3\sqrt{3}$

Answer: (b) $\sqrt[3]{}$

Question 5.

The smallest natural number by which 704 must be divided to obtain a perfect cube is

- (a) 22
- (b) 12
- (c) 11
- (d) 13

Answer: (c) 11

Question 6.

The numbers 1, 8, 27... are _____.

- (a) negative numbers
- (b) cube numbers
- (c) square numbers
- (d) none of these

Answer: (b) cube numbers

Question 7.

If volume of cube is 4913cm^3 then length of side of cube is

- (a) 16 cm
- (b) 17 cm
- (c) 18 cm
- (d) 19 cm

Answer: (b) 17 cm

Question 8.

The square of a natural number subtracts from its cube comes 100. The number is _____.

- (a) 2
- (b) 3
- (c) 5
- (d) 1

Answer: (c) 5

Question 9.

The value of 5^3 is _____.

- (a) 125
- (b) 15
- (c) 10
- (d) 75

Answer: (a) 125

Question 10.

If $(2744)^{\frac{1}{3}} = 2p+2$, then the value of P is

- (a) 3
- (b) 6
- (c) 2
- (d) 8

Answer: (b) 6

Question 11.

Ones place digit in the cube of 5832 is _____.

- (a) 5
- (b) 7
- (c) 2
- (d) 8

Answer: (d) 8

Question 12.

Find the cube root of 0.001331.

- (a) 0.111
- (b) 0.101
- (c) 0.11
- (d) none of these

Answer: (c) 0.11

Question 13.

If $(504 + p)$ is a perfect cube number, whose cube root is p, then $p =$ _____.

- (a) 6
- (b) 4
- (c) 2
- (d) 8

Answer: (d) 8

Question 14.

The cube root of the $216 \times (-32) \times 54$ is _____

- (a) -36
- (b) -72
- (c) -48
- (d) none of these

Answer: (b) -72

Question 15.

The cube of an odd number is always _____.

- (a) odd number
- (b) even number
- (c) prime number
- (d) none of these

Answer: (a) odd number

Question 16.

Express 6^3 as the sum of odd numbers.

- (a) $31 + 33 + 35 + 37 + 39 + 41 + 43$
- (b) $31 + 33 + 35 + 37 + 39 + 41$
- (c) $31 + 33 + 35 + 37 + 39 + 41 + 43 + 45$
- (d) none of these

Answer: (b) $31 + 33 + 35 + 37 + 39 + 41$

Question 17.

The cube of 23 is _____

- (a) 2304
- (b) 23
- (c) 12167
- (d) 529

Answer: (c) 12167

Question 18.

What will be the unit digit of the cube of a number ending with 6?

- (a) 4
- (b) 6
- (c) 2
- (d) 8

Answer: (b) 6

Question 19.

The expansion of a^3 is _____.

- (a) $3 \times a$
- (b) $a + a + a$
- (c) $3 \times 3 \times 3$
- (d) $a \times a \times a$

Answer: (d) $a \times a \times a$

Question 20.

A natural number is said to be a perfect cube, if it is the cube of some _____.

- (a) natural number
- (b) square number
- (c) cube number
- (d) cuboid number

Answer: (a) natural number

Question 21.

Each prime factor appears _____ times in its cube?

- (a) 2
- (b) 3
- (c) 1
- (d) 4

Answer: (b) 3

Question 22.

What is the cube of double of 'a'?

(a) $16a^3$

(b) $2a$

(c) $8a^3$

(d) $4a^2$

Answer: (c) $8a^3$
