Spardhaguru India Private Limited
Cube & Cube Root

1) The value of $(\sqrt{4^3 + 15^2})^3$ is :
a) 3943 b) 4913
c) 4193 d) 4313

2) $(5.5)^3 - (4.5)^3$ is equal to :
a) 75.25 b) 1
c) 74.25 d) 75

3) $\sqrt[3]{4\frac{12}{125}}$ is equal to :
a) 2.4 b) 1.4
c) 1.8 d) 1.6

4) $\sqrt[3]{(333)^3 + (333)^3 + (334)^3 - 3 \times 333 \times 333 \times 334}$
Is equal to :
a) 15 b) 12
b) 10 d) 11

5) The least number, by which 1944 must be multiplied so as to make the result a perfect cube, is
a) 13 b) 2
c) 6 d) 3

6) $\frac{\sqrt[3]{8}}{\sqrt{16}} \div \sqrt{\frac{100}{49}} \times \sqrt[3]{125}$ is equal to :
a) $\frac{4}{7}$ b) 7
c) $\frac{7}{100}$ d) $1\frac{3}{4}$

7) $\sqrt[3]{\frac{72.9}{0.4096}}$ is equal to :
a) 13.6 b) 0.5625
c) 182 d) 5.625

8) The sum of the squares of 2 numbers is 146 and the square root of one of them is $\sqrt{5}$. The cube of the other number is
a) 1441 b) 1111
c) 1331 d) 1221

9) By what least number should 4320 be multiplied so as to obtain a number which is a perfect cube ?
a) 80 b) 40
c) 60 d) 50

10) Which of the following is a perfect square as well as a cube? 343, 125, 81, or 64
a) 64 b) 81
c) 343 d) 125

11) The sum of the cubes of the numbers 22, –15 and –7 is equal to
a) 0 b) 6930
c) 3 d) 9630

12) The square of a natural number subtracted from its cube is 48. The number is :
a) 4 b) 8
c) 5 d) 6

13) $\sqrt[3]{0.000125}$ is equal to :
a) 0.005 b) 0.5
c) 0.05 d) 0.15

14) If cube root of 175616 is 56, then the value of $\sqrt[3]{175.616} + \sqrt[3]{0.175616} + \sqrt[3]{0.000175616}$ is equal to :
a) 6.116 b) 0.168
c) 6.216 d) 62.16

15) $(\sqrt[3]{1000} + \sqrt[3]{0.008} - \sqrt[3]{0.125})$ is equal to :
a) 9.9997 b) 9.7
c) 9.997 d) 9.97

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16) The least number that must be added to 1720 so as to obtain a perfect cube, is

a) 13 b) 7
c) 11 d) 8

17) The value of $\sqrt[3]{\sqrt{0.000729}}$ is

a) 0.09 b) 0.9
c) 0.03 d) 0.3

18) Sum of digits of the smallest number by which 1440 be multiplied so that it becomes a perfect cube, is

a) 8 b) 4
c) 7 d) 6

19) $\sqrt[3]{1 - \frac{127}{343}}$ is equal to :

a) $1 - \frac{2}{7}$ b) $\frac{5}{9}$
c) $\frac{4}{7}$ d) $1 - \frac{1}{7}$

20) The smallest positive integer n, for which 864n is a perfect cube, is :

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

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