

Number System 01

Question 01:

Find the Cube Root of the following numbers:

1. $\sqrt[3]{970299}$

2. $\sqrt[3]{1601613}$

3. $\sqrt[3]{1815848}$

Question 02:

Lieutenant Kalia when arranged all his 1500 soldiers in such a way that the number of soldiers in a line were the same as there were the number of lines. So, he was left with 56 soldiers, who were not a part of this arrangement. The number of lines in this arrangement is:

Question 3:

One of the following statements is incorrect, Find that?

$\sqrt[2]{5184} = 72$

$\sqrt[2]{1444} = 38$

$\sqrt[2]{1296} = 34$

$\sqrt[3]{941192} = 98$

Question 04:

Let a, b, c be distinct digits. Consider a two digit number 'ab' and a three digit number 'ccb'.

If $(ab)^2 = ccb$ and $ccb > 300$ then the value of b is

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- A. 0 B. 1 C. 5 D. 6 E. 7

Question 05:

The product of two consecutive even number is 9408 which of the following is the greatest number?

- a)96 b)94 c)92 d)90 e) None of these

Question 6:

Find the maximum number of trees which can be planted 10m apart on two sides of a straight road 1860m long?

Question 07:

A man engaged a servant on the condition that he would pay him Rs. 90 and a turban after a service of one year. He served only for nine months and received the turban and Rs. 65. The price of the turban is:

Question 08:

Which is greater?

- a. $\frac{5}{9}$ or $\frac{15}{19}$ b. $\frac{7}{8}$ or $\frac{8}{9}$ c. $\frac{17}{19}$ or $\frac{20}{21}$ d. $\frac{13}{17}$ or $\frac{12}{18}$ e. $\frac{10}{13}$ or $\frac{20}{23}$

Question 09:

The average of 9 consecutive positive integer is 63. The product of largest and smallest integer is.

- (a) 8935 (b) 3953
(c) 3853 (d) 3845

Question 10:

Average of 4 consecutive even No's P, Q, R, S (increasing order) is 51. What is product of P and S?

- (a) 2592 (b) 2594
(c) 5293 (d) 2596

Question 11:

The average of 37 consecutive No is 54. The largest of these numbers is?

- (a) 72 (b) 70
(c) 74 (d) 76

Question 12:

Average of 41 consecutive odd No. is 49. Which of the following is the largest?

- (a) 87 (b) 85
(c) 83 (d) 89

Question 13:

Average of 44 consecutive odd No. is 144. What is the largest?

- (a) 189 (b) 185
(c) 187 (d) 188

Question 14:

The average of 14 consecutive even No's is 107. Then which of the following is the smallest Number?

- (a) 92 (b) 90
(c) 94 (d) 96



Question 15:

Average of 38 consecutive even No's is 167. Find the sum of smallest and largest Numbers?

(a) 167 (b) 334

(c) 332 (d) 336

Question 16:

The average of 29 consecutive even No. is 446. Find the difference between first and last Number?

(a) 56 (b) 58 (c) 60 (d) 54