NUMBER SYSTEM

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Practice Problems with Solution

Question 1: What is the value of n if 100! Is completely divisible by 3^n?

A: 51

B: 43

C: 48

D: 47

Question 2: How many digits will be written if we write numbers from 1 to 99?

A: 187

B: 186

C: 188

D: 189

Question 3: How many digits will be written if we write numbers from 1 to 623?

A: 1572

B: 1692

C: 1761

D: 1741

Question 4: Find no. of digits in 10^{22222}?

A: 22223

B: 22228

C: 22222

D: 22220

Question 5: Find no. of digits in square of a two digit number?

A: 4

B: 3

C: 5

D: can not be determined

Question 6: Find the no. of digits in cube of a two digit number?

A: 4

B: 5

C: 6

D: cannot be determined

Question 7: What is the least value of x such that 517x324 is divisible by 12?

A: 0

B: 1

C: 2

D: 5

Question 8: If 543247x968y is divisible by 90 .Then find the value of 4x + 5y?

A: 30

B: 18

C: 24

D: 36

Question 9: If the 7 digit no. 56x34y4 is divisible by 72, then the least value of x+y is?

A: 8

B: 12

C: 5

D: 14

Question 10: If the 8 digit no. 2074x4y2 is divisible by 88, then the value of 4x+3y is?

A: 36

B: 42

C: 54

D: 45

Answers and Solutions

1:- C, 48

2:- D, 189

3:- C, 1761

4:- A, 22223

5:- D, can not be determined

6:- D, cannot be determined

7:- C, 2

8:- C, 24

9:- C, 5

10:- D, 45

Other Links

- <u>75 Days Study Plan for SSC CHSL 2020</u> [pdf]
- <u>Day 48 | General Awareness | Current Affairs | Practice Problem</u> [pdf]
- <u>Day 48 | Vocabulary</u> [pdf]
- <u>Free Mock Tests</u>
- <u>Previous Year Papers</u>

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