

Practise Numericals

1) Find the unit digit of $4! + 8! + 12! + \dots + 96!$?

2) What max^m power of "7" is contained in $100! \Rightarrow \frac{100!}{7^n}$?

3) If $\begin{array}{r} 731 \\ +426 \\ \hline 1712 \end{array}$ \rightarrow then find $\begin{array}{r} 237 \\ 141 \\ \hline ? \end{array}$

4) Find TF, ^{Total factors} odd factors, Even factors for 1296 ?

5) Find No. of ways in which 272 can be expressed as product of two of its factors ?

6) Find the product of all factors of 96 ?

7) A number leaves a common remainder "2" when it is divided by 5 or 6 or 7. Find the :

(a) least such natural no \rightarrow i.e. when $\Rightarrow n=0$

(b) Highest such four digit no. ?

8) A no. when divided by 5, 6, 7 leaves 2, 3, 4 as the respective remainders, Find the highest such 4-digit No. ?

9) Find the unit digit of given expression ;

$$(487)^{435} \times (258)^{772} \times (76)^{741} \times (24)^{77} ?$$