05-11-25

Multiple Surprises

M T W T F S S

Page No.:

Date:

YOUVA

1. yes, if you add any same N.O. to a set of consetive N.O. you will allays get a new set of consetive N.O. eg. 5,6,7.

$$\begin{array}{r} +7+7+7 \\ \hline 12,13,14. \end{array}$$

2. If I know that a No. is a multiple of 3 I should add another multiple of 3 to get another multiple of 3 eg.:

$$\begin{array}{r} 18 \\ +12 \\ \hline 30 \end{array}$$

3. The mutipules of 2,3 and 4 are: 12, 24, 36, 48, 60

4. I'm looking For the LCM of 1,2,3,4,5,6,7,8,9,10...

1 2 3 4 5 6 7 8 9 10

1×1 1×2 1×3 2×2 1×3 3×2 1×7 2×4 3×3 5×2

2×1

$2 \times 3 \times 2 \times 7 \times 2 \times 3 \times 5 = 2520$

M T W T F S S

Page No.:

Date:

YOUVA

A·5·

1. 1 2 3 4 5 6 7 8 9 10

2. 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530

3. 5041, 5042, 5043, 5044, 5045, 5046, 5047, 5048, 5049, 5050

4. 7561, 7562, 7563, 7564, 7565, 7566, 7567, 7568, 7569, 7570.

6. I have used LCM method because it is easier than counting. LCM works because it is the least common mutiple and if you add the L.C.M of a set of consecitive No: eg: 123 Lcm is 6 you will get another set of consecitive No. eg: 123 +6 +6 +6 789

7. I can also use this to find the next set of consicetive no. from 1 to 20. I will find the LCM of 1 to 20 then I will add it to get the next set of consicetive No.. since I'm using LCM, the next set won't be prime No and will be divisble by other No.