

Page 3 - Figure it out (continued)

- (j) powers of 3 - 1, 3, 9, 27, 81, 243, 729
Next three nos - 2187, 6561, 19683

Rules

- (a) all 1's - keep repeating 1
- (b) counting nos - keep adding 1 to get next number.
- (c) odd nos - add 2 to get next number
- (d) even nos - add 2 to get next no.
- (e) triangular nos. - add 1 more than no. added to get present no.

$$\begin{array}{l} 1 \\ 1 + \textcircled{2} = 3 \\ 3 + \textcircled{3} = 6 \quad [2+1=3] \\ 6 + \textcircled{4} = 10 \quad [3+1=4] \\ 10 + \textcircled{5} = 15 \quad [4+1=5] \\ 15 + \textcircled{6} = 21 \quad [5+1=6] \text{ etc} \end{array}$$

- (f) Squares - Squares of successive counting nos
 $1^2 = 1, 2^2 = 4, 3^2 = 9, 4^2 = 16, 5^2 = 25$ etc