Ap Gp 1 3, 5, 7, 9, 11, 13 d. 2

Aritheradic Pregnation - The diddenence blus any 2 consecutive terms is the same as common difference

$$T_{n} = a + (n-1)H$$
 = formula $T_{n} = a + (n-1)H$ = 1 + ($T_{50} = ??$

Creementic Pregression: Ratio blue any two consecutive terms is the sem

Tp= a+(n-1) e)

 $r = \begin{bmatrix} T_2 & = T_2 \\ T_1 & T_2 \end{bmatrix}$

Sum of n terms $g_n = \frac{n}{2} \left[2\alpha + (n-1)\alpha \right]$ OR $g_n = \frac{n}{2} \left(\alpha + 1 \right)$ q= first-term a= first tenm de difference. 1= no. ofterns most-tead a n - the term number <u>@2</u> 11, 15, 19 ... 47 Q = 5, 9, 13, 17 810= 55 S20 = Sum of first20 terms Sn = 20 2(5)+(20-2)4 Sn = n (a+L) = 10 [lo+76] = [865] = [865] Sn = 10 (11+ 40) 210= 290 finding the number of terms find the number of multiple of 4 from 100-200 n= 1- a +1 100,104)108,112 248 n= 248-100 + 1 n = 140 +1