75  $\alpha_n = 5 + 10(n-1)$ 1200=5+10(n-1) 995 = 10(n-1)99,5=n-1 100.5 = 4 after 100 terms

3t 
$$C = 1.012$$
 $a_1 \rightarrow consepction in 2004 in millions$ 
 $a_n = 81(1.012)$ 
 $100 = 81(1.012)$ 
 $100 = 81(1.012)$ 
 $100 = 1012^{n-1}$ 
 $100 = 1012$