

Starter — Solutions

1. Find the next two terms:

5, 9, 13, 17, ...

21, 25

2. Find an n th term for:

8, 13, 18, 23, ...

Difference = +5

$5n + 3$

3. A population starts at 200 and grows by 5% each year.

n	P_n
0	200
1	210
2	220.5
3	231.525

4. An iterative process is

$$U_{n+1} = U_n + 4, \quad U_1 = 3$$

n	U_n
1	3
2	7
3	11
4	15