

PART 5

$$L_1 = 2$$

$$L_2 = 1$$

$$L_n = L_{n-1}$$

$$L_n = L_{n-1} + L_{n-2} \text{ if } n \geq 2$$

Write the 10 numbers of Lucas sequence:

$$n=3$$

$$L_3 = L_2 + L_1$$

$$L_4 = L_3 + L_2$$

$$L_5 = L_4 + L_3$$

2, 1, 3, 4, 7, 11, 18