Unit 1   Class cribbles

①

1	3	5	7	9	11
2	2	2	2	2	

②

f	2	5	10	17	26	37	50
Df	3	5	7	9	11	13	

50 ??

	0	1	2	3	4	5	6	
f	1	2	4	8	16	32	64	128
Df	1	2	4	8	16	32	64	
D²f	1	2	4	8	16	32		

$$f(x) = 2^x$$

③

Exponential : $Df = f$
growth.

④   Find the next

entry:

f	1	2	0	3	-1	4	-2	5	-3

Df 1 -2 3 -4 5 -6 7 (-8)

D^2f -3 5 -7 9 -11 . . . . . .

f		2	3	5	7	11	13	17	19

(5) 1 2 2 4 2 4 2   24?

Prime numbers

⟶ Project ①

Prime twins