

$$4n$$

$$(n \cdot 4) - 3$$

$$n \times 4 - 3$$

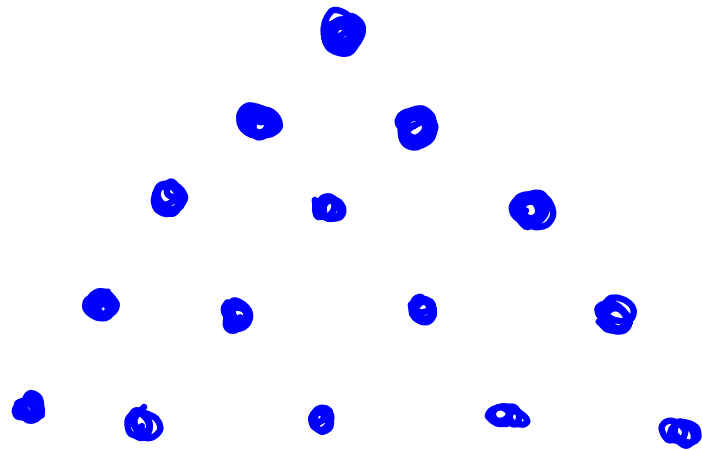
$$4n - 3$$

$$30^{\text{th}} \quad n = 30$$

$$4(30) - 3$$

$$120 - 3 = 117$$

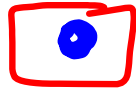
Growing Patterns



8	10	4	6	9
12	14	8	10	13

- ① Find missing #
- ② Determine "rule" & write it down

$$n+4$$

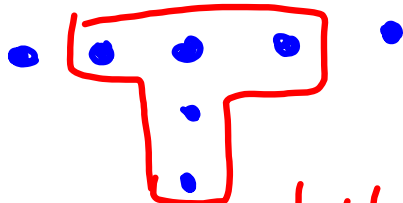


①



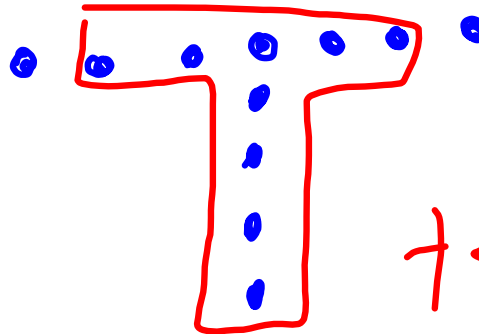
②

+4



+4

③



+4

④

ⁿ Stage	$n \times 4$	# of Dots
1	4	1
2	8	5
3	12	9
4		13
5		17
6		21
7		25
8		29
9		33
10		37

Stage	# of Dots
1	1
2	5
3	9
4	13

Handwritten table showing the number of dots at each stage. The number of dots increases by 4 in each stage. Red annotations '+4' are present between rows 1-2, 2-3, and 3-4.