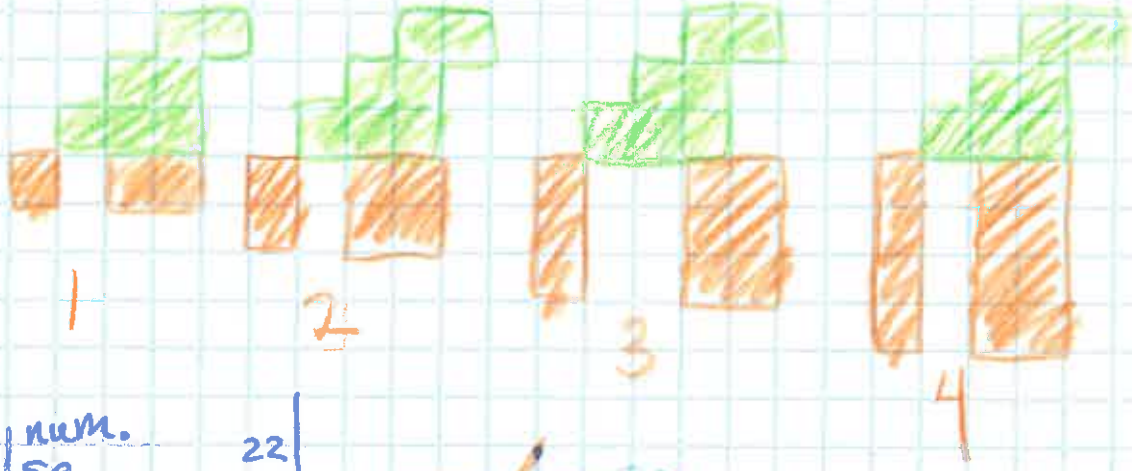
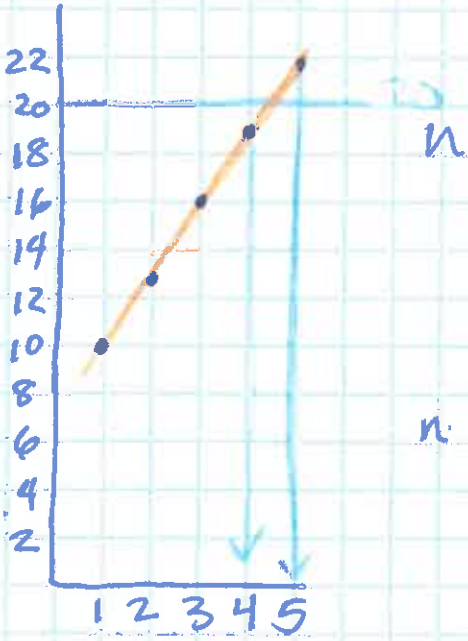
Linear

$S = 3 \cdot n + 7$



n	num. sq
1	10
2	13
3	16
4	19
5	22



n smallest with at least (20) squares?

5

n Largest with no more than 20 squares?

4

n smallest at least 100 squares?

31 →

$3n+7$

n largest at most 100 squares?

31 →

$3n+7 = 100$

$-7 \quad -7$

$\frac{3n}{3} = \frac{93}{3}$

$n = 31$

Homework do this for $4n+8$