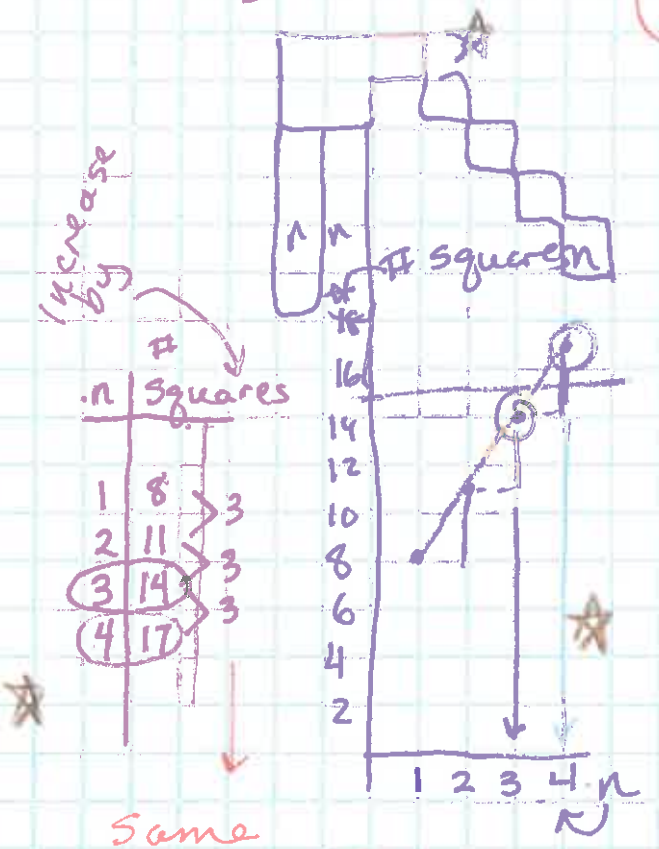
Hwk
4n+3
do this ★

3n+5



(increase by)

n	# Squares	
1	8	3
2	11	3
3	14	3
4	17	3

Same
Linear / Line

when n = 20
how many squares are shaded?

3·20+5 = 60+5 = 65

5 +20+20+20 = 65

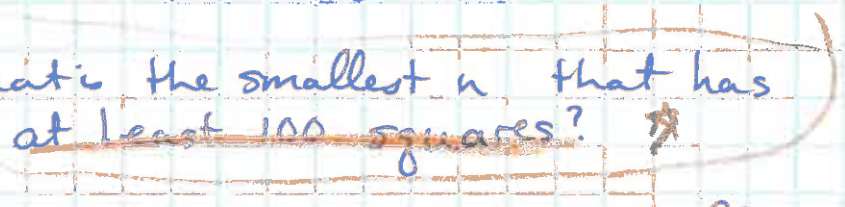
What is the smallest n that has at least 15 squares?
4

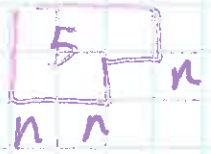
What is the biggest n that has at most 15 squares?
3

3·3+5 < 15
15 < 3·4+5

3n +5 = 100
-5 -5
3n = 95
n = 31.67
round up to 32

What is the smallest n that has at least 100 squares?





3·30+5 = 95 ← estimate
3·31+5 = 98 } check near estimate
3·32+5 = 101 }

n+n+n = 95
3n = 95
n = 95/3 = 31 R 2

32 → more than 95