(5) are increased by 3.

(i) A→ 1, 1+3, 1+3+3, 1+3+3+3, 1+3+3+3+3

(ii) A→ Hence the value of 4 is = 2n.

(iii) A→

N	1	2	3	4	5
1	2	4	6	8	10

(iv) A→ Number of matchsticks in 12th figure

= 2×12 = 24

2.) Number of matchsticks in 20th figure

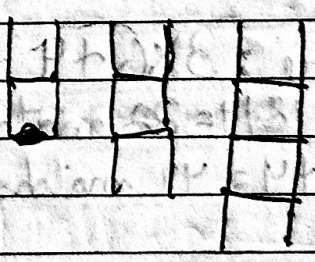
= 2×20 = 40

Ho

5a(i) A→

N	1	2	3	4	
F	5	8	11	14	

F = 3n + 2



(ii) A→ 16th = 16×3+2 = 48+2 = 50

30th = 30×3+2 = 90+2 = 92