

E1

"Writing an equation from a pattern"

Sidel

All patterns below continue. Write an equation for each

1.



Fig 1

Fig 2

Fig 3

Fig 4

Figure # (F)	1	2	3	4	5
Number of Squares (N)	1	4	7	10	

* draw fig. 5
 - fill in the chart & create an equation
 - graph it

Fig 1

Fig 2

Fig 3

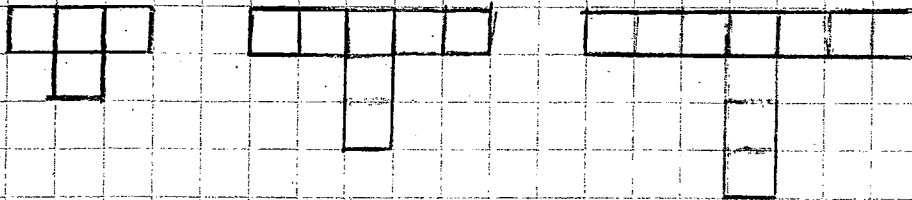


Figure # (F)	1	2	3	4	5
Number of Squares (N)	4	7	10		

* draw figs 4 & 5
 - fill in chart & create an equation
 - graph it

3.

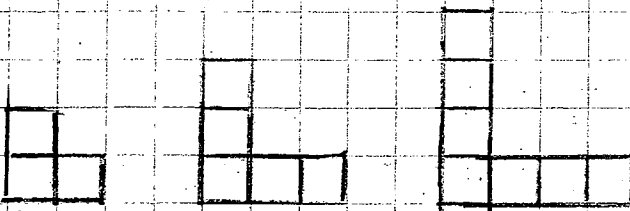


Fig 1

Fig 2

Fig 3

Figure # (F)	1	2	3	4	5
Number of Squares (n)	3	5	7		

* draw figs 4 & 5
 fill in chart & create an equation

ALL Patterns continue. Write an equation for each.

1.



Fig 1



Fig 2

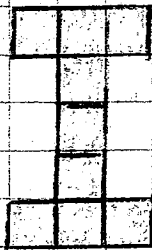


Fig 3

For each:

- draw next 2
- fill in T-chart
- graph

Figure # (F)	1	2	3	4	5
Number of squares (N)	7	8	9		

2. A landscaper uses wooden Boards as edging for each plot in his garden.



1 plot



2 plots



3 plots

Number of Plots (P)	1	2	3	4	5
Number of Boards (B)	4	7			

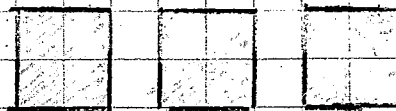
3. The landscaper continues to surround each plot with wooden Boards, but now separates the plots.



1 plot



2 plots



3 plots

Number of Plots (P)	1	2	3	4	5
Number of Boards (B)	4	8			