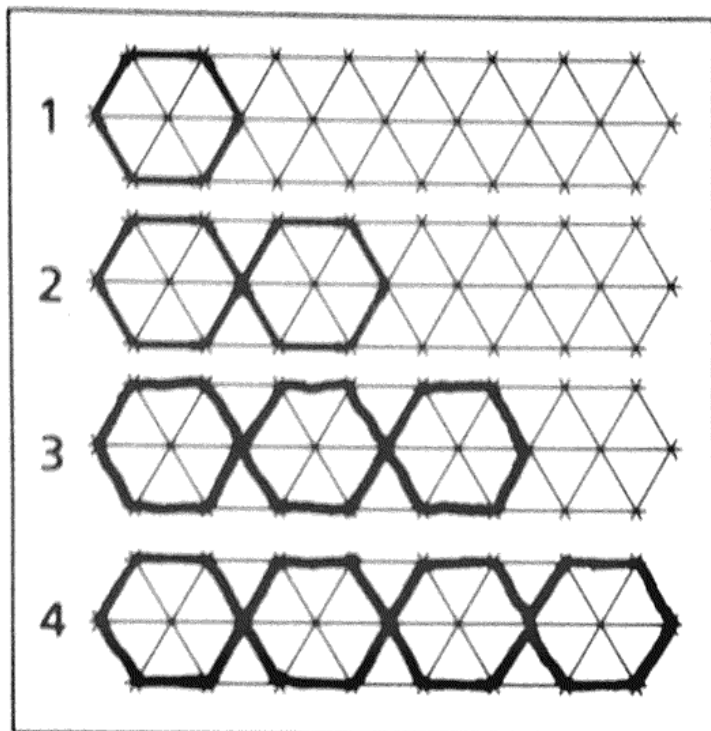




Patterns

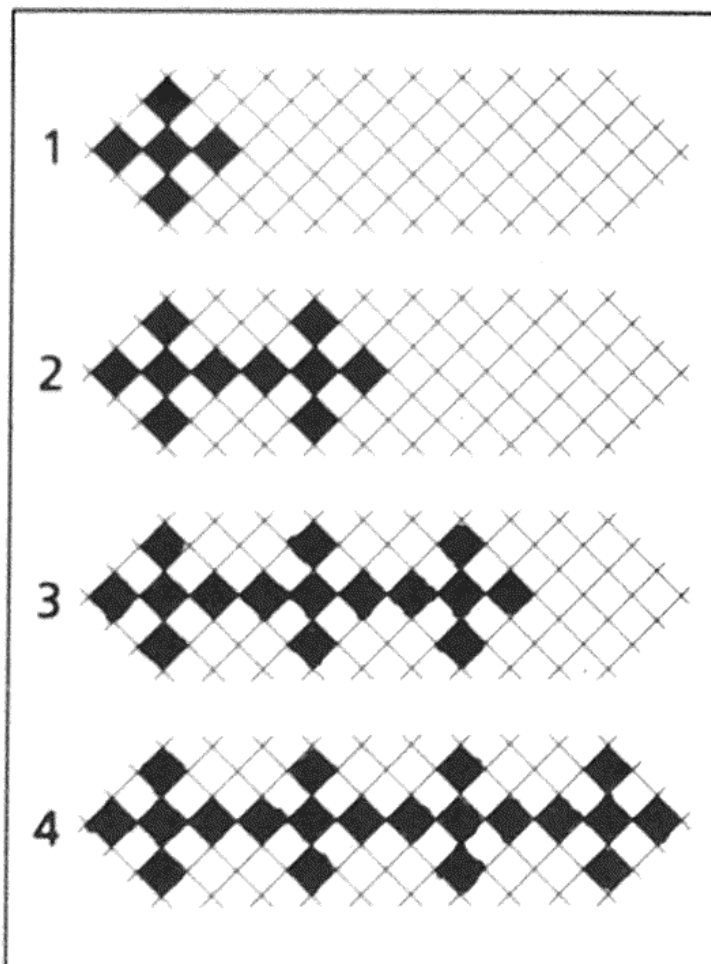
- 1 (a) Draw the next two matchstick patterns. (b) Complete:



Number of hexagons	Number of matches
1	6
2	12
3	18
4	24
5	30

- (c) How many matches would be needed for
 • 10 hexagons 60
 • 100 hexagons? 600
- (d) The number of matches is SIX times the number of hexagons.

- 2 (a) Colour the next two cross patterns.



Number of crosses	Number of coloured squares
1	5
2	10
3	15
4	20
5	25

- (c) How many coloured squares would there be in
 • 9 crosses 45
 • 20 crosses? 100
- (d) The number of coloured squares is Five times the number of crosses.