



Patterns

1. Fill in the missing numbers in each sequence below

- a. 2, 6, 10, _____, 18, _____
- b. 27, 24, 21, _____, _____
- c. 5, 10, 20, _____, 80, _____
- d. 243, 81, 27, _____, 3, _____

1a. Draw the next pattern



1 circle
3 arrows

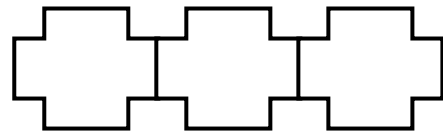
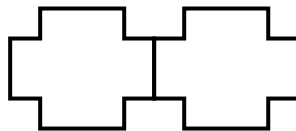
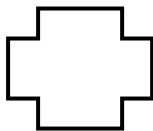


2 circles
6 arrows

b. Make a rule connecting circles (c) and arrows (a)

$a =$

3.



a. Complete the table

No of crosses (C)	1	2	3	4	5
No. of lines (l)	12	23	34		

b. Make a rule connecting crosses (c) and number of lines (l)

$l =$

c. If I have 25 crosses in the pattern, how many lines would there be?