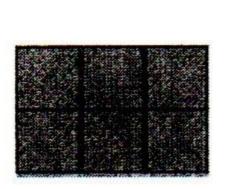
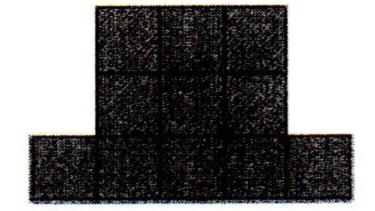
Number pattern and sequence

1. Which of these numbers is a square number and a cube number number? Tick the correct number.	and a triangle
C 1 C 36 C 63	
2. The first five multiples of 12 are:	
3. What is the rule for this number pattern? 50, 40, 30,	
4. What is the rule for this number pattern? -2, -4, -6,	
5. What are the next two terms of this number pattern? 5, 9, 13	
6. What is the common difference of the following number sequence	e? 9, 7, 5,
7. What is the previous term of this number pattern? 10, 13, 16,	
8. What is the previous term of this number pattern? 20, 15, 10,	
9. What is the nth term of the number pattern 2, 4, 6, 8,	
10. What is the nth term of the number pattern 14, 21, 28, 35,	
11. What is the 10th term of the number pattern 50, 45, 40,	
12. Find the next term of the sequence: 9, 12, 17, 24, 33	
13. Find the nth term of the sequence: 6, 9, 14, 21, 30,	
14. Find the next two terms of the sequence: 1, 8, 27,	
15. Find the next term and the nth term of the sequence:	
2+4, 8+4, 18+4, 32+4, 50+4,	

16. What is the general rule for the blue tiles and find how many blue tiles are there in next pattern?







Pattern 1

Pattern 2

Pattern 3



6n - 3

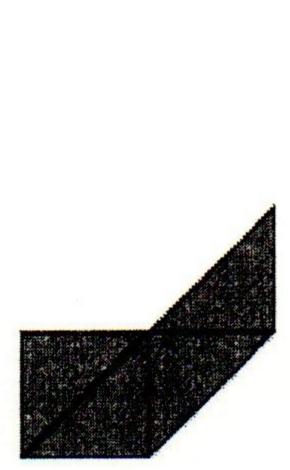


O 3n - 2

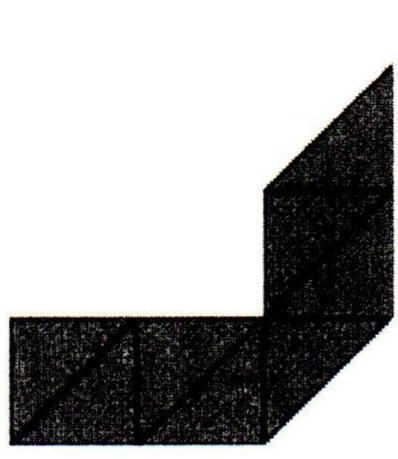


2z - x

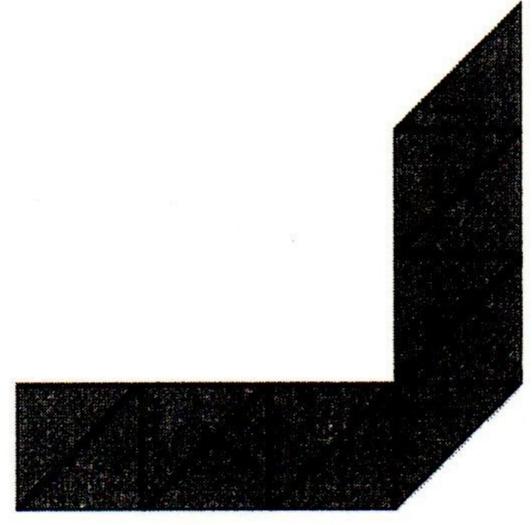
17. Look at these patterns. How many tiles will there be in pattern 12?





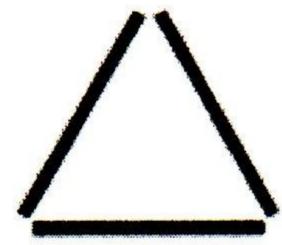


Pattern 2

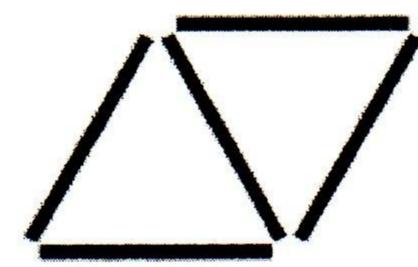


Pattern 3

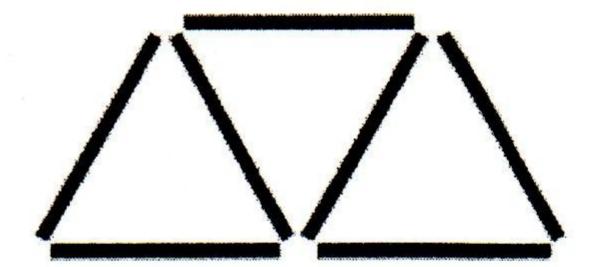
Here are some patterns made from sticks.



Pattern number 1



Pattern number 2



Pattern number 3

a) Complete the table.

Pattern number	1	2	3	4	5	6
Number of sticks	3	5	7			

b) How many sticks are in Pattern number 17?