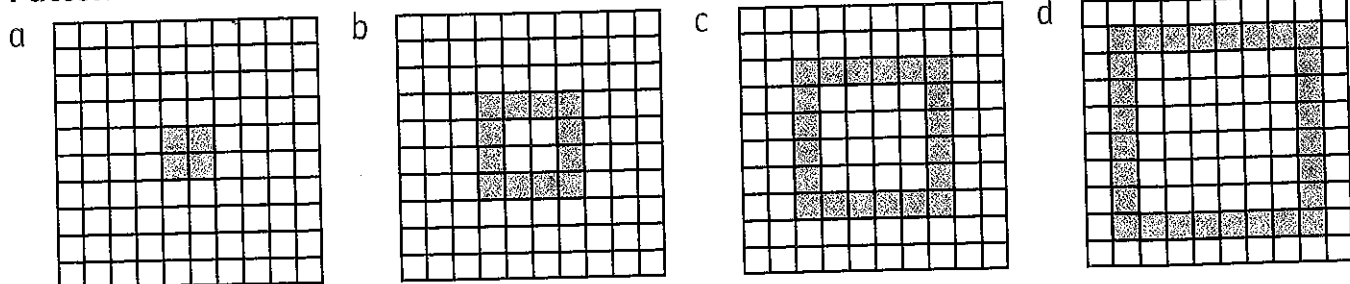


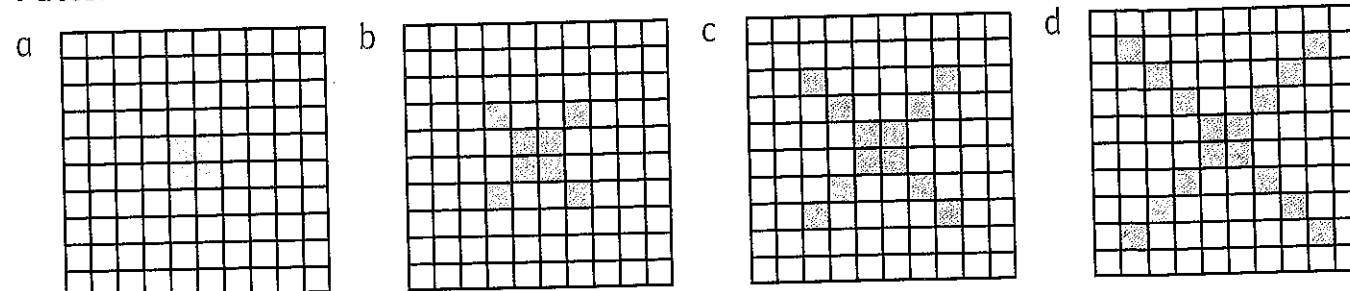
Patterns on a hundred square



Pattern A

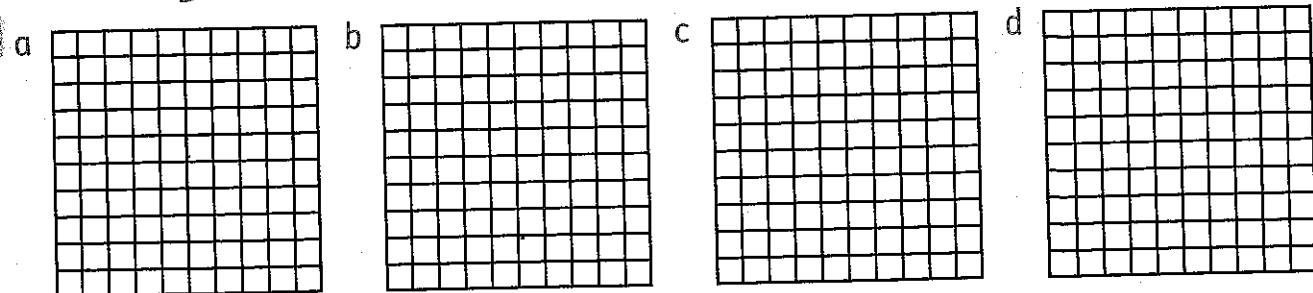


Pattern B



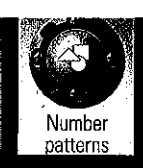
- In pattern A how many squares are coloured?
 - _____
 - _____
 - _____
 - _____
 e Do these numbers show a pattern? _____
 f Write the rule. _____
 g Write the next three numbers in the pattern. _____
- In pattern B how many squares are coloured?
 - _____
 - _____
 - _____
 - _____
 e Do these numbers show a pattern? _____
 f Write the rule. _____
 g Write the next three numbers in the pattern. _____

Challenge! Draw another pattern.



e What shape is your pattern? _____

Patterns of multiples



1 These pattern rows are made by multiplying a number in the top row by a number in the first column. Find the missing numbers to complete each multiplication sequence.

x	1	2	3	4	5	6	7	8
			15					
					20			
	2							
							21	
				32				
		14					42	

2 These are multiplication sequences. Find the rule for each sequence and fill in the missing terms.

eg 12, 16, 20, 24, 28, 32, 36, 40, 44, 48

Rule: multiples of 4 up to 50, starting at 12.

a _____, 24, 27, _____, _____, _____

Rule: _____

b 25, _____, 35, _____, _____, _____

Rule: _____

c _____, _____, _____, 16, 20, _____, _____

Rule: _____

d 18, 24, _____, _____, _____, _____

Rule: _____

3 Find all the numbers that are multiples of seven from 0 to 50. Circle them and join them in a line from smallest to largest to make a sequence.

