

NUMBER PATTERNS & SEQUENCES 1

1. Describe the **TERM to TERM** rule for each sequence and give the next term.

(a) 5, 12, 19, 26, _____ Rule : _____

(b) 3, 6, 12, 24, _____ Rule : _____

2. Write down the missing terms in these sequences

(a) 2, 5, 8, 11, _____, _____, _____

(b) 2.6, 2.9, _____, 3.5, _____, _____

3. The rule for the sequence below is $3n + 1$

This means $3 \times (\text{position number}) + 1 = \text{term number}$

Complete the rest of the table using this rule.

Position	1	2	3	4	5
Term	4				

4. Complete the tables below. An example has been done.

Input	× 3 then - 1	Output
1	→	2
2		
3		
4		
n		

Input	+ 2 then × 4	Output
2	→	16
5		
8		
15		
n		