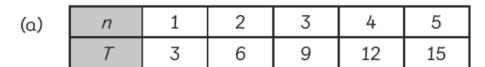
Worksheet 8

Writing Formulae

 $oldsymbol{1}$ Let T stand for the nth number in each pattern.



T=

T=

T=

T=

2			J.
_	п	+	4

(a)	Find the 4th number.	
(b)	Find the 15th number.	
(c)	Find the 100th number.	
(d)	Find the sum of the first 10 numbers in the sequence.	

 $\mathbf{3}$ Evaluate each expression for the given values of n. In each case, write a formula for T in terms of n.

(a)

п	4 <i>n</i> + 1
1	
2	
3	
4	
5	

(b)

п	2n – 2
2	
4	
6	
8	
10	

(c)

n	3 <i>n</i> + 5
1	
2	
10	
20	
99	