## Written Test

## Sample (12)

Arrange the natural numbers as shown below:

	$1^{st}$	$2^{nd}$	$3^{rd}$	$4^{th}$	5 <sup>th</sup>	
	column	column	column	column	column	
1 <sup>st</sup> row	1	4	5	16	17	
2 <sup>nd</sup> row	2	3	6	15	18	
3 <sup>rd</sup> row	9	8	7	14	19	
4 <sup>th</sup> row	10	11	12	13	20	
5 <sup>th</sup> row	25	24	23	22	21	
	•••	•••	•••	•••	•••	

Answer: \_\_\_\_\_\_.

	(h)	Write dow	$n$ the $45^{t}$	1 number	of the	100 <sup>th</sup>	row
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Answer: \_\_\_\_\_\_.

(c) If T(1) represents the  $1^{st}$  number of  $1^{st}$  row, T(2) represents the  $2^{nd}$  number of  $2^{nd}$  row, and T(n) represents the nth number of the nth row,

find the value of 
$$T(1) + T(2) + T(3) + \dots + T(15)$$
.

Answer: \_\_\_\_\_\_.