

Written Test

Sample (12) Answer

Arrange the natural numbers as shown below:

	1 st column	2 nd column	3 rd column	4 th column	5 th column	...
1 st row	1	4	5	16	17	...
2 nd row	2	3	6	15	18	...
3 rd row	9	8	7	14	19	...
4 th row	10	11	12	13	20	...
5 th row	25	24	23	22	21	...
...

Write down the 20th number of the 3rd row.

Answer: 398.

Write down the 45th number of the 100th row.

Answer: 9846.

If $T(1)$ represents the 1st number of 1st row, $T(2)$ represents the 2nd number of 2nd row, and $T(n)$ represents the n th number of the n th row, find the value of $T(1) + T(2) + T(3) + \dots + T(15)$.

Answer: 1135.