# Number of digits in N!

Problem | Submissions | Leaderboard

As simple as the title, given a number N, print the number of digits in N!

N! is defined as : N! = 1*2*3...(N-1)*N

0! = 0 and 1! = 1.

No number ever contains any leading zeros.

### Input Format

Input contains only one number, N.

### Constraints

1 <= N <= 1000

### Output Format

Output one number that is equal to the number of digits in N!

### Sample Input 0

```
6
```

### Sample Output 0

```
3
```

### Explanation 0

6! = 1x2x3x4x5x6 = 720 which has 3 digits. So the answer is 3.



Current Buffer (saved locally, editable) C++14

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}

```

Line: 1 Col: 1

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