**Multiples Power**

[maths](http://www.practice.geeksforgeeks.org/tag-page.php?tag=maths&isCmp=0)

Calculate the sum of all the multiples of 3 or 7 below the natural number N.

**Input:**

First line contains T that denotes the number of test cases. This is followed by T lines, each containing an integer, N.  
**Output:**  
For each test case, print an integer that denotes the sum of all the multiples of 3 or 7 below N.  
  
**Constraints:**

1 ≤ T ≤ 50  
1 ≤ N ≤ 100000  
  
**Example:**

**Input:**

2  
10  
20

**Output:**  
25  
84

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=1284>

#include <iostream>

#include <stdio.h>

#define ll long long int

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

int n;

scanf("%d", &n);

ll ans =0;

for(ll i=1; i<n;i++) {

if(i%3==0 || i%7==0){

ans+=i ;

}

}

cout << ans << endl;

}

return 0;

}