Project Euler #1: Multiples of 3 and 5

This problem is a programming version of Problem 1 from projecteuler.net

If we list all the natural numbers below 10 that are multiples of 3 or 5, we get 3, 5, 6 and 9. The sum of these multiples is 23.

Find the sum of all the multiples of 3 or 5 below N.

Input Format
First line contains T that denotes the number of test cases. This is followed by T lines, each containing an integer, N.

Output Format
For each test case, print an integer that denotes the sum of all the multiples of 3 or 5 below N.

Constraints
$1 \le T \le 10^5$
$1 \le N \le 10^9$

Sample Input

```
2
10
100
```

Sample Output

```
23
2318
```