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.

**Constraints**

* T 🡪 1 to 10^5
* N 🡪 1 to 10^9

**Output Format**

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

**Sample Input 0**

2

10

100

**Sample Output 0**

23

2318