Number of divisors

Two friends are playing a game. One gives an integer N to other and asks: What is the number of divisors of N that are divisible by 3? The task is to help the other friend in finding the number of divisors.

Input:
The first line of input contains an integer T denoting the number of test cases.Then T test cases follow .Each test case consist of an integer N.

Output:
For each test case in a new line print the number of divisors.

Constraints:

$1 \leq T \leq 50$

$1 \leq N \leq 100000$

Example:

Input:

2

6

10

Output:

2

0

Explanation:

6 has three divisors 1, 3 and 6 out of which two are divisible by 3.
10 has four divisors 1,2,5 and 10 none of which is divisible by 3