

# Find Digits

## Problem Statement

You are given a number  $N$ , you need to print the number of positions where digits exactly divides  $N$ .

## Input format

The first line contains  $T$  (number of test cases followed by  $T$  lines each containing  $N$ ).

## Constraints

$$1 \leq T \leq 15$$

$$0 < N < 10^{10}$$

## Output Format

For each test case print the number of positions in  $N$  where digits in that number exactly divides the number  $N$  in separate line.

## Input

```
1
12
```

## Output

```
2
```

## Explanation

2 digits in the number 12 divide the number exactly. Digits at ten's place,  $1$ , divides 12 exactly in 12 parts, and digit at one's place,  $2$  divides 12 equally in 6 parts.

This challenge was a part of [Pragyan 12](#)