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Enormous Input Test

Problem Code: **INTEST**

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The purpose of this problem is to verify whether the method you are using to read input data is sufficiently fast to handle problems branded with the **enormous Input/Output** warning. You are expected to be able to process at least 2.5MB of input data per second at runtime.

Input

The input begins with two positive integers n k ($n, k \leq 10^7$). The next n lines of input contain one positive integer t_i , not greater than 10^9 , each.

Output

Write a single integer to output, denoting how many integers t_i are divisible by k .

Example

Input :

```
7 3
1
51
966369
7
9
999996
11
```

Output :

```
4
```

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INTEST | Coding with Logi...



Author: [u_admin_codechef_pw \(/users/u_admin_codechef_pw\)](#)

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Problem level: Simple

Date Added: 1-12-2008

Time Limit: 8 secs

Source Limit: 50000 Bytes

CS2, ADA, PYPY, TEXT, PAS fpc, NODEJS, RUBY,
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[CodeChef \(/\)](#) - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of **algorithms**, **computer programming**, and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and two smaller programming challenges at the middle and end of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

[Practice Section \(/problems/easy\)](#) - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in the language of your choice. Our **programming contest** judge accepts solutions in over 55+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

[Compete \(/contests\)](#) - Monthly Programming Contests, Cook-off and Lunchtime

Here is where you can show off your **computer programming skills**. Take part in our 10 days long monthly coding contest and the shorter format Cook-off and Lunchtime **coding contests**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

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