
Max Subsequence

Input file: **standard input**
Output file: **standard output**
Time limit: 2 seconds
Memory limit: 64 megabytes

You are given an array A of size N .

Print the size of the largest subsequence of A which has $\text{LCM} \leq M$.

LCM of a subsequence is defined as the lowest common multiple of all the elements in that subsequence.

Input

- The first line contains two integers, N and M ($1 \leq N \leq 10^5, 1 \leq M \leq 10^6$).
- The next line contains N integers, the array A ($1 \leq A_i \leq 10^9$).

Output

A single integer, the size of the max. subsequence.

Example

standard input	standard output
7 8 6 2 9 2 7 2 3	5