Problem E – Problem E

During the berry harvest season, you've collected a large number of berries from your farm. These berries are stored in baskets, and each basket contains a certain number of berries. You've partnered with a berry distribution company, which will only accept baskets that can be packed exactly into boxes that hold X berries each. This is important for efficient transportation and to ensure the berries don't spoil during handling.

Any baskets that do not contain a number of berries that can be boxed based on the distributor rule cannot be sent to the distributor and will instead be sold locally in your region.

Your task is to determine the maximum number of baskets from the harvest that can be sent to the distributor.

Input

The first line contains two integers N and X, $(1 \leq N \leq 1,000,000)$, $(1 \leq X \leq 10^9)$, representing the number of baskets harvested, and the number of berries each distrutors box can hold. The second line contains N space-separated integers $a_1, a_2, \ldots, a_N$ $(1 \leq a_i \leq 10^9)$, representing the number of berries in each basket.

Output

Print a single integer, the number of baskets that can be sent to the distributor.

Sample input 1	**Sample output 1**
5 3 3 6 8 10 9	3

Sample input 2	**Sample output 2**
4 7 7 14 22 5	2

Sample input 3	**Sample output 3**
5 1 10 20 30 40 50	5