A. Petya and Origami

Petya is having a party soon, and he has decided to invite his n friends.

He wants to make invitations in the form of origami. For each invitation, he needs **two** red sheets, **five** green sheets, and **eight** blue sheets. The store sells an infinite number of notebooks of each color, but each notebook consists of only **one** color with k sheets. That is, each notebook contains k sheets of either red, green, or blue.

Find the minimum number of notebooks that Petya needs to buy to invite all n of his friends.

Input

The first line contains two integers n and k ($1 \le n, k \le 10^8$) — the number of Petya's friends and the number of sheets in each notebook respectively.

Output

Print one number — the minimum number of notebooks that Petya needs to buy.

Examples

input
```
3 5
```
output
```
10
```
input
```
15 6
```
output
```
38
```

Note

In the first example, we need 2 red notebooks, 3 green notebooks, and 5 blue notebooks.

In the second example, we need 5 red notebooks, 13 green notebooks, and 20 blue notebooks.