Problem FERRARI: A Ferrari

A man named "Shoe" has recently shot down the faui01. Now somebody tells him that he has got two possibilities:

- going to the CIP admins and confessing, or

- buying a Ferrari, but a fast one.

Since Shoe has been a coward since birth, he decides to buy a Ferrari and run away. Unfortunately for him, the car he buys from the dealer (the deal has to be made very fast) should be delivered to the US market, so the fuel consumption display is in miles/gallon only, which Shoe does not understand. For some reason we don't know it is very important for Shoe to know what his automobile's fuel consumption is, and he has to know it in litres/kilometer. In addition, he has to know how many kilometers he can still go until refueling the next time.

In order to make his escape successful, it is your task to translate the display messages of the Ferrari's board computer for him.

For all your calculations, assume that 1 mile is 1609 meters, while 1 gallon is 3.8 litres. Assume that the Ferrari has 25 gallons of gasoline at the beginning of each test case.

Input

Input consists of a number of lines (test cases) each of which contains two floating-point numbers x and y, where x is the distance (in miles) driven so far and y is the fuel consumption (in miles/gallon). Input is terminated by an empty line or EOF.

Output

For each test case, your program must print a line containing the fuel consumption (as litres per 100 kilometers), rounded to the nearest integer and the distance left to go until the car is out of gas, rounded in the same way.

Sample Input 1

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231.1 10.3
175 7
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Sample Output 1

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Fuel consumption: 23l/100km. Next stop: 42km.
Fuel consumption: 34l/100km. Next stop: 0km.
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