Slot Machines

Martha takes a jar of quarters to the casino with the intention of becoming rich. She plays three machines in turn. Unknown to her, the machines are entirely predictable. Each play costs one quarter. The first machine pays 30 quarters every 35th time it is played; the second machine pays 60 quarters every 100th time it is played; the third pays 9 quarters every 10th time it is played.

Your program should take as input the number of quarters in Martha's jar (at least one and fewer than 1000), and the number of times each machine has been played since it last paid.

Your program should output the number of times Martha plays until she goes broke.

Note that when a user provides invalid input, the original question should simply be repeated until valid input is provided by the user. No error message is required.

Sample Session. *User input is in italics*

```
How many quarters does Martha have in the jar?
48

How many times has the first machine been played since paying out?
3

How many times has the second machine been played since paying out?
10

How many times has the third machine been played since paying out?
4

Martha plays 66 times before going broke.
```

Please note: your program's output must match the expected output precisely.