# Problem: Halloween Sale

**Sample Input 0**

20 3 6 80

**Sample Output 0**

6

Program(2/52 cases failed):

import math

pdms = input().split()

p = int(pdms[0])

d = int(pdms[1])

m = int(pdms[2])

s = int(pdms[3])

count=0

total =0

remainingS =0

for i in range(p,m-d,-d):

    total = total + i

    if i > 0 and total < s:

        print(i)

        if i > m:

            count = count + 1

            total = total + i

        else:

            count=count + 1

            total=total + m

print(count)

print(total)

remainingS= s-total

extraM = math.floor(remainingS/m)

# print(remainingS)

# print(extraM)

if(remainingS>0):

    if (remainingS >= extraM\*m):

        count = count+ extraM

        print(count)

else:

    print(0)