#include <stdio.h>

int howManyGames(int p, int d, int m, int s) {

int count = 0;

int current\_price = p;

while (s >= current\_price) {

s -= current\_price;

count++;

if (current\_price - d >= m) {

current\_price -= d;

} else {

current\_price = m;

}

}

return count;

}

int main() {

int p, d, m, s;

scanf("%d %d %d %d", &p, &d, &m, &s);

int result = howManyGames(p, d, m, s);

printf("%d\n", result);

return 0;