

problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max is aware that he will require 5*i minutes to solve the ith problem.

Your task is help Max find and return an integer value, representing the number of problems Max can solve and reach the party venue within the given time frame of 4 hours.

Note: Max will leave his home at exactly 8 PM to reach the party venue.

Input Format:

input1: An integer value N, representing the total number of problems.

input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.

Example:

Input:

180

Output:

Explanation:

The amount of time left to solve the problems is 4*60-180=60 mins.

1st Problem - 5 mins, Time left = 60-5=55 mins

2nd Problem - 10 mins, Time left = 55-10=45 mins

3rd Problem - 15 mins, Time left = 45-15=30 mins

4th Problem - 20 mins, Time left = 30-20=10 mins

5th Problem - 25 mins

Source Code: def max_problems_solved(N,P): remaining_time=240-P time_spent=0 count=0 for i in range(1,N+1): time_to_solve=5*i if time_spent+time_to_solve>remaining_time: time_spent+=time_to_solve count+=1 return count N=int(input()) P=int(input()) result=max_problems_solved(N,P) print(result) RESULT 5 / 5 Test Cases Passed | 100 %