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	STUDEN GREPORIES	
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	PERIMENT	OAA
	Secution of the control of the contr	,
COOAA	May is planning to take part in a lilwall contest at a lilwall Party that will begin at X PM and Will run lintil mighight (17 AM) Le	
	problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max	3BR136
BRI	is aware that he will require 5*i minutes to solve the i th problem.	
AA 3BRI	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.	OA
	Note: Max will leave his home at exactly 8 PM to reach the party venue.	13cD0A
3R23CD1	Input Format:	
3R1	input1: An integer value N, representing the total number of problems.	,0AA 3B
	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.)OAN
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CO	Example:	223
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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

A DARK

BBR.

Source Code:

```
def max_problems_solved(N, P):
    # Total available time for solving problems (240 minutes minus travel time)
    remaining_time = 240 - P
    # Initialize counters for time and problems solved
    time\_spent = 0
    count = 0
    # Iterate over problems from 1 to N
    for i in range(1, N + 1):
        # Time to solve the ith problem
        time_to_solve = 5 * i
        # Check if there's enough time left to solve this problem
        if time spent + time to solve > remaining time:
            break # Max can't solve more problems
        # Update the time spent and count of problems solved
        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 %

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