٧.٠	□ Logo	_^:
),	STUDENT REPORT PORT AND	R23CAO.
DE 3cA 15 P	ETAILS ARPROLED TO SERVE SCHOOL BREEZERUS SCHOOL BREEZERU	- Sports and Sports an
3CRO	B LAVANYA	
F	Not Number	386
	SPERIMENT e	J 23CRO15
sek.	(PERIMENT Jepan Contest Diwali contest Description April 20 Profession April 20 Pr	; PO153BP
3CP 015 0	for 4 hours. He also needs to travel to the party venue within this time which takes him P minutes. The contest comprises of N 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% minutes to solve the i th problem.	3BR13C
1/5 3BR)	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.	23CA016
~	Note: Max will leave his home at exactly 8 PM to reach the party venue.	, S
BR23CA	Input Format:	o & P
5~	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.	0153BP
7,50	inputz. An integer value P, Representing the time to traver in minutes from his nome to the party venue.	
3CA015	Example:	38R13C
227	Input:	
153BR2		Pack Out
	180	ABC B
5BR23CA	Output:	
BR	Explanation:	5 BR 3 BR
q	The amount of time left to solve the problems is 4*60-180=60 mins.	200
	1st Problem - 5 mins, Time left = 60-5=55 mins	~6
	2nd Problem - 10 mins, Time left = 55-10=45 mins	BERD
	3rd Problem - 15 mins, Time left = 45-15=30 mins	·

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

5th Problem - 25 mins

-06

```
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
    \mbox{\#} 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)

5 / 5 Test Cases Passed | 100 %