,03°	STUDENT REPORT AND	3cDo's.
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	J NITYA Roll Number	3812305
Titl	DIWALI CONTEST Description Description	J. 344
1350037	Max is planning to take part in a Diwali contest at a Diwali Party that will begin at 8 PM and will run until midnight (12 AM) i.e., 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 a ways that he will require 5th minutes to calve the ill problems.	388235
1037 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. Note: Max will leave his home at exactly 8 PM to reach the party venue.	1300037
3BR13CD	January Formuser	10373BR
1300032	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	,0°
		3BRIL
032 SERT	6 180 Output:	D. C.
3BR13CD1	4 Explanation:	BER BE
q	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	P
	2nd Problem - 10 mins, Time left = 55-10=45 mins	3RED CV
	3rd Problem - 15 mins, Time left = 45-15=30 mins 4th Problem - 20 mins, Time left = 30-20=10 mins 5th Problem - 25 mins	DESTRUCTOR

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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