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,5A05-1	ABDUL RAQEEB	SAO!
>	Roll Number	312403
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228124	EXPERIMENT (2) BY SADST CARPADO LOST VI RIVADS A ST. 2000 CARPADO CARP	228
T	EXPERIMENT  Title political contest  DIWALI CONTEST  A DELTA SADST A DELTA SADSTA SADSTA SADSTA SADSTA SADSTA SADS	3A05-1
ADSAD5	EXPERIMENT  Title Mark 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.	228124054
5	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 <b>P</b> minutes. The contest comprises of <b>N</b> problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max	shop In
,2ADSAD	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.	22812405
	Note: Max will leave his home at exactly 8 PM to reach the party venue.	22
55-1228	Input Format:	
55	input1: An integer value N, representing the total number of problems.	35A05-1
	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	03
8124051	Example:	(2281245
		(N.
3,405-17	ე · 6	
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		A
2281240	4	A)
120	Explanation:	\$51.08E11
	The amount of time left to solve the problems is 4*60-180=60 mins.	φ.
	1st Problem - 5 mins, Time left = 60-5=55 mins	a de la constantina della cons
	2nd Problem - 10 mins, Time left = 55-10=45 mins	N PARTE
	3rd Problem - 15 mins, Time left = 45-15=30 mins	/
	4th Problem - 20 mins, Time left = 30-20=10 mins	NO BE
	5th Problem - 25 mins	MOSI

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
    \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)
```

BESULT

5 / 5 Test Cases Passed | 100 %