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

Section of the sectio

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:
 break
 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 %

2/2