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

Source Code:

N=int(input())
P=int(input())
time=240-P
timeleft=time
i=1
while i <=N and 5*i <=timeleft:
 timeleft-= 5*i
 i+=1
print(i-1)

RESULT

5/5 Test Cases Passed | 100 %