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

5th Problem - 25 mins

X

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 %