STUDENT REPORT DETAILS Name JAYASHREE H ROIl Number: 38823E060 EXPERIMENT Title DIWALI CONTEST, The state of the 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 takee him P minutes. The contest comprises of N problems that are arranged in order of difficulty, with problem. Your teak is held Max fried 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 except 9 PM to reach the party venue. Input: An integer value P, representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An integer value P, Representing the time to travel in minutes from his home to the party venue. Input: An in	Sky, 60,3, Ko, Sky, 60,3, Ko,	
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	4th Problem - 20 mins, Time left = 30-20=10 mins	
5th Problem - 25 mins		OF S

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)

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