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BRA3CDS	DIWALI CONTEST 36 PARASCE SAFE SAFE SAFE SAFE SAFE SAFE SAFE SAF	36
ı	(PERIMENT Ile DIWALI CONTEST Description School And Herizon Contest Service Servic	CD03A
30034	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.,	
300	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 problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max	ARI3C
0	is aware that he will require 5*i minutes to solve the i th problem	3~
3A 3BR1	Your task is help Max find and return an integer value, representing the number of problems Max can solve and reach the party venue	2
23		13CD03
co'	Note: Max will leave his home at exactly 8 PM to reach the party venue. Input Format:	. *
BR13CD	input1: An integer value N, representing the total number of problems.	38
	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	,03A
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3CO	Example:	2230
	Input:	30
3A 3BRI	6	1
3	180	20000000
c O	Output:	P
8R130.	4	B
	Explanation:	BBIRTA
q	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	2000
	2nd Problem - 10 mins, Time left = 55-10=45 mins	380
	3rd Problem - 15 mins, Time left = 45-15=30 mins	
	4th Problem - 20 mins, Time left = 30-20=10 mins	(SS)

5th Problem - 25 mins

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```
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)
RESULT
```

5 / 5 Test Cases Passed | 100 %