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36	STUDENT REPORT	200
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8	3BR23ME026	
EX	PERIMENT OF STATE OF	MEO
Title	The state of the s	
D	DIWAEI CONTEST WED ART AND ART	38873
3	Mr. 3850, 60,000. 33Mr. 38EV. 160,000. 33Mr. 63BV.	20
38° D	rescription of the state of the	~1
/	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.,	23ME
, EC	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	
223MEC	is aware that he will require 5*i minutes to solve the i th problem.	36
	Your task is help Max find 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.	:026 3th
000	Note: Max will leave his home at exactly 8 PM to reach the party venue.	
K0263	Input Format:	223/
	input1: An integer value N, representing the total number of problems.	36,
3BR2?	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	
5		13WE05
(Example:	VS
23ME	Input:	
	6	:026 3BE
2	180	,~
:026	Output:	A.
	4	358223
23	Explanation:	Э
384	The amount of time left to solve the problems is 4*60-180=60 mins.	, 28°
	1st Problem - 5 mins, Time left = 60-5=55 mins	233 MES
	2nd Problem - 10 mins, Time left = 55-10=45 mins	
	3rd Problem - 15 mins, Time left = 45-15=30 mins	, 385 E
	4th Problem - 20 mins, Time left = 30-20=10 mins	3930
	5th Problem - 25 mins	

BERRA

So he can solve only 4 problems as he is not left with 25 mins to complete 5th problem.

task=int(input())
time=int(input())

work=0
rem=0
tleft=240-time
for i in range(1,task+1):
 rem+=i*5
 a=tleft-rem
 if a>=0:
 work=i
print(work)

RESULT

5/5 Test Cases Passed | 100 %