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EX \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(PERIMENT)	, V
.5` [	DIWALI CONTEST CS 1 34 R13 CS 1 1 34 R13 CS	3BR13CS)
3BR23C	DIWALI CONTEST CS 1 34 RL 2 CS 1 1 3	9
, , , , , , , , , , , , , , , , , , ,	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., for 4 hours. He also needs to travel to the party venue within this time which takes him <b>P</b> minutes. The contest comprises of <b>N</b> problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max	S
	Your task is help Max find and return an integer value, representing the number of problems Max can solve and reach the party venue	138R2
55,27,38	Note: Max will leave his home at exactly 8 PM to reach the party venue.	
5	Input Format:	2305
_(	input1: An integer value N, representing the total number of problems.	5R
13BR23	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	~^^3
6	Example:	, S.
873C3	Input:	22
>	6	1 3b
38	180	
35^2`	Output:	્રક્શ
	4	September 1
223	Explanation:	7
30	The amount of time left to solve the problems is 4*60-180=60 mins.	~23g
	1st Problem - 5 mins, Time left = 60-5=55 mins	EST.
	2nd Problem - 10 mins, Time left = 55-10=45 mins	,
	3rd Problem - 15 mins, Time left = 45-15=30 mins	323

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

5th Problem - 25 mins

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 %