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SCA003 38	STUDENT REPORT TAILS ADITVA KANDARI	,RO
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3223	3BR23CA003	BR
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Titl	e ch ary of the same	,
Titl	DIWALI CONTEST AND	30
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PK D	Description & John St. & St.	
03	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.,	3CA003
	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	30,
3R23CAC	problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max is aware that he will require 5*i minutes to solve the i th problem.	(
3R.1	Your task is help Max find and return an integer value, representing the number of problems Max can solve and reach the party venue	303 3BR
•	within the given time frame of 4 hours.	20,
CROSS	Note: Max will leave his home at exactly 8 PM to reach the party venue.	
20r	Input Format:	2873C1
q	input1: An integer value N, representing the total number of problems.	5
3BR2?	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	, On
9,3		3CA003
0	Example:	,
873CK	Input:	R
δ,	6	1033BP
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CAOOS	Output:	S. S.
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22.	Explanation:	5
3BRU?	The amount of time left to solve the problems is 4*60-180=60 mins.	B.
	1st Problem - 5 mins, Time left = 60-5=55 mins	36.84
	2nd Problem - 10 mins, Time left = 55-10=45 mins	
	3rd Problem - 15 mins, Time left = 45-15=30 mins	SPAR
	4th Problem - 20 mins, Time left = 30-20=10 mins	Bos
	5th Problem - 25 mins	,

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Source Code:

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 %
```