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51163BR	STUDENT REPORT	5
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(6) SPRING	S. Berry Sterry	2
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	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 P minutes. The contest comprises of N	C51163
· 65^	problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max	
5R13C51	is aware that he will require 5*i minutes to solve the i th problem.	(63BR)
	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.	(63,
551,638	Note: Max will leave his home at exactly 8 PM to reach the party venue.	
S	Input Format:	305
	in puttle An integer value NI representing the total number of pueblone	5R23
6 3BR 23	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	
630	inputz. An integer value P, Representing the time to traver in minutes from his nome to the party vehice.	,,6
		is,
cs^	Example:	
5R2'3	Input:	163BR1
	6	(6)
1638	180	
S	Output:	355
	4	ST ST
3BR23	Explanation:	
'5°	The amount of time left to solve the problems is 4*60-180=60 mins.	CAN POR
	1st Problem - 5 mins, Time left = 60-5=55 mins	STA
	2nd Problem - 10 mins, Time left = 55-10=45 mins	

3rd Problem - 15 mins, Time left = 45-15=30 mins

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 %
```