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	STUDENT REPORT	
32	TAILS COLO SEL COLO S	3
	AYESHA TARANNUM D	
352	oll Number	
E Ti	3BR23CS020  PERIMENT  e 3th	, \$P. (1)
	IJWALI CONTESTS CONTE	
223	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 is aware that he will require 5*i minutes to solve the i <sup>th</sup> problem.  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.	b
507	Note: Max will leave his home at exactly 8 PM to reach the party venue.  Input Format:	
	input1: An integer value N, representing the total number of problems. input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	
13° S	Example:	
	Input: 6	
020	180 Output:	
	4	
3BRIV	Explanation:  The amount of time left to solve the problems is 4*60-180=60 mins.	
	The amount of time left to solve the problems is 4 00-100-00 miles.	

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1st Problem - 5 mins, Time left = 60-5=55 mins
    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.
  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 %
```