180

Output:

Explanation:

The amount of time left to solve the problems is 4*60-180=60 mins.

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

Source Code:

```
def max_problems_solved(N, P):
    remaining_time = 240 - P
    time\_spent = 0
    count = 0
   for i in range(1, N + 1):
        time_to_solve = 5 * i
        if time_spent + time_to_solve > remaining_time:
            break
        time_spent += time_to_solve
        count += 1
    return count
N=int(input())
P=int(input())
result=max_problems_solved(N,P)
                                                                                                   -273E-196386
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %