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

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Source Code:

```
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                                                                                                                                                                                                                                                                                                            A Day On Con
def max_problems_solved(N, P):
                # Total available time for solving problems (240 minutes minus travel time)
                remaining_time = 240 - P
                # Initialize counters for time and problems solved
                time_spent = 0
                count = 0
                # Iterate over problems from 1 to N
                for i in range(1, N + 1):
                                 # Time to solve the ith problem
                                 time_to_solve = 5 * i
                                 # Check if there's enough time left to solve this problem
                                 if time spent + time to solve > remaining time:
                                                 break # Max can't solve more problems
                                 # Update the time spent and count of problems solved
                                 time_spent += time_to_solve
                                 count += 1
                 return count
N=int(input())
P=int(input())
result=max_problems_solved(N,P)
print(result)
```

5/5 Test Cases Passed | 100 %