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)