

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 %