

There is a meeting of 25 ppl. A report of 140 pages has to be made. Joe makes 5 extra copies than the number of people attending (so 30 copies). He needs to order special paper that comes in reams of 500 sheets. Write pseudocode to calculate number of reams, rounding up partial reams is not allowed.

Start

```
Input pagesperreport    // 140
Input numberofpeople    // 25

extracopies = 5
totalcopies = numberofpeople + extracopies

totalPagesneeded = pagesperreport * totalcopies

pagesperream = 500
reamsneeded = totalpagesneeded / pagesperream

If totalpagesneeded % pagesperream != 0 then
    reamsneeded = reamsneeded + 1
    // round up to next whole ream
End If

Output "Total pages needed:", totalpagesneeded
Output "Number of reams needed:", reamsneeded
```

End

Example:

```
pagesperreport = 140, numberofpeople=25, extracopies=5,
totalcopies =30

totalpagesneeded = 140 * 30 = 4200 pages

reamsneeded = 4200 / 500 = 8.4, round up → reamsneeded = 9
```