1. Decision variables are the Collegiate and the Mini and let us call them X and Y respectively.
2. Objective function = 32x+24y
3. Constraints are:

* 3X+2Y <= 5000
* 45X+40Y <= 84000

AND

* X, Y >= 0
* X<=1000
* Y<=1200

1. Max:(Z) = 32x+24y

3X+2Y <= 5000

45X+40Y <= 84000

X, Y >= 0

X<=1000

Y<=1200