Problem 1

OVERTIME

Students at STA, who work at the school store, the Flame Zone, get paid an hourly rate. They are paid weekly and are paid their hourly rate for the first 15 hours they work per week. Any hours, that they work over the 15 hours, is considered overtime. They are paid at double their hourly rate, for any hours worked between 16 - 20 hours, and are paid triple their hourly rate, for any hours worked over 20 hours.

Your job is to calculate a student's weekly pay given their hourly rate and the number of hours they worked for the week.

The input file (DATA1) will contain ten lines of data. Each pair of lines will represent a student's hourly rate (H) and the number of hours (N) they worked that week, where H > 0 and N is an integer >= 0.

The output file (OUT1) will contain five lines, each representing the corresponding student's weekly pay, rounded to the nearest penny.

Sample Input (Only two pairs of lines given)

```
7.75
14
8.25
16
```

Sample Output

```
108.50
140.25
```