Lab #3

The ACE Insurance Company uses a computer program to calculate new premiums for new young male drivers who have had their first automobile accident. The new premium equals the old premium multiplied by a rate. The rate is based on the applicant’s age. The premiums are:

Age Rate

1. 0.20
2. 0.20
3. 0.19
4. 0.17
5. 0.17
6. 0.15
7. 0.13

You are to input a driver’s number, age and old premium, and then calculate the new premium. Your output file should have the form:

2634 16 500.00 600.00

Data File: (Put data into a notepad file)

2634 16 500.00

7854 19 450.94

3639 21 621.19

8688 17 341.58

4545 20 261.78

3907 22 201.89

3412 21 314.24

6589 18 312.98

Be sure to error check for the file on input and output.