

```
#include <iostream>
using namespace std;
// Based on # class, # credits
// Let's find out how many credits
// each class might be worth.
```

```
int main() {
    int credits; } // garbage
    int num;
    cout << "enter # classes and #credits"
    << " separated by a space and hit"
    << " enter at the end" << endl;
    cin >> num >> credits; cin.get();
    avg-credits = credits / num;
    cout << "We calculated"
    << avg-credits
    << " number of credits";
}
```

whole #

credits / num

int ~~total~~-credits

cin.get(c);
(ctum φ) // waiting

3

credits / num

quotient

num

credits



Integer Division

$$\text{answer} = 10/3;$$

$$\text{answer} = 10\%3$$

$$\begin{array}{r} 3 \overline{) 10} \\ \underline{3} \\ 7 \\ \underline{6} \\ 10 \\ \underline{9} \\ 1 \end{array}$$

MOD operator

Remainder

R 1

what if...

float answer ;

4.00.....

answer = $\underbrace{\text{credits}}_{\text{int}} / \underbrace{\text{num}}_{\text{int}}$;

4
vs. 4.000000

3 | 13

float credits; ←

num
int

~~num~~
num;

float avg-credits; ←

$$\text{avg-credits} = \frac{\text{credits}}{\text{num}}$$

float ←

float int

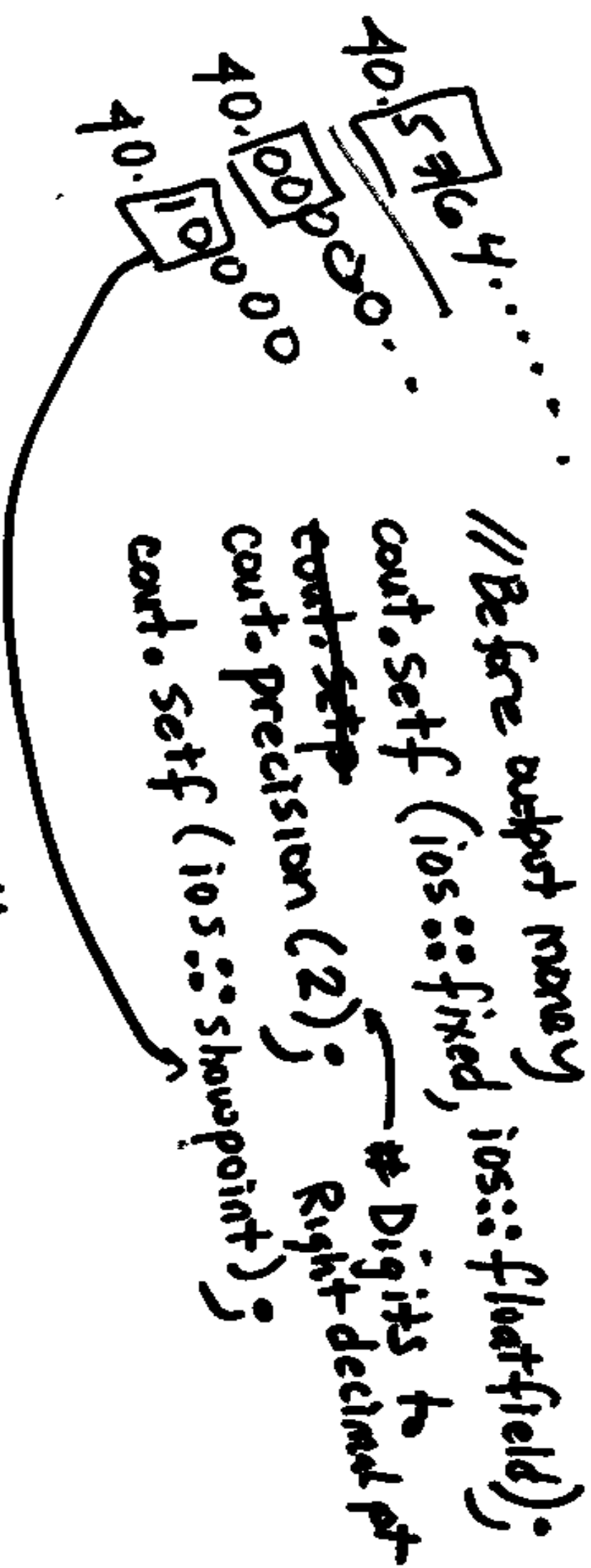
4.

write an if statement to ~~find~~ find out
if credits is not less than 8

if (credits >= 8)

Displaying \$ & cents

float money; 



```
cout << "$ ";
```



```
// To UNDO this  
cout.unsetf (ios::showpoint);  
cout.precision (6);  
cout.setf (0, ios::floatfield);
```