1A

#include <iostream>

using namespace std;

int main()

{

int gas, miles；

float mpg;

OR double gas, miles, mpg;

cout << "How many gallons can your car hold? ";

cin >> gas;

cout << "How many miles can you drive on a full tank? ";

cin >> miles;

mpg = miles/gas; (OR mpg = float (rules)/gas;))

cout << "MPG is " << mpg << endl;

return 0;

}

A screenshot of a computer

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1B

#include <iostream>

#include <iomanip>

using namespace std;

int main()

{

float classA, classB, classC, income;

cout << "How many Class A tickets were sold? ";

cin >> classA;

cout << "How many Class B tickets were sold? ";

cin >> classB;

cout << "How many Class C tickets were sold? ";

cin >> classC;

income = classA\*15 + classB\*12 + classC\*9;

cout << setprecision(2) << fixed;

cout << "Total income is " << income << endl;

return 0;

}

Text

Description automatically generated

2C

#include <iostream>

#include <cstdlib>

#include <ctime>

#include <iomanip>

using namespace std;

int main()

{

const int MIN = 0;

const int MAX = 999;

unsigned seed = time(0);

srand(seed);

int n1 = MIN + rand() % MAX;

int n2 = MIN + rand() % MAX;

cout << setw(5) << n1 << endl //setw(x) =how many spaces you want in width

<< "+" << setw(4) << n2 << endl

<< "-----\n\n";

cout << "Press Enter to see the answer . . .\n";

cin.get();

int sum = n1 + n2;

cout << setw(5) << n1 << endl

<< "+" << setw(4) << n2 << endl

<< "-----\n"

<< setw(5) << sum << endl << endl;

return 0;

}

Text

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