```cpp
/*This programme defines a class "ratio" and defines the division process for its objects*/

#include <iostream>
using namespace std;


class Ratio {

private:
        int num, denom;

public:
        Ratio(int n, int d) { num = n; denom = d; }

        void display() { cout << num << "/" << denom<<endl; };

        friend Ratio operator/ (Ratio a, Ratio b); //This function prototype defines the division
process for the objects of type "Ratio"
};

 //Friend function (defining the division operator)
Ratio operator/ (Ratio a, Ratio b)

    {
        return Ratio(a.num * b.denom, a.denom * b.num);
    };

void main() {

        Ratio x(1, 2), y(2, 3);

        x.display();

        y.display();

        Ratio z = x / y;

        z.display();

        system("pause");

};
```