```
public class Homework1 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		System.out.println("This is the byte section:");

		byte byte1 = 0; // placing value to 0 first
		byte byte2 = 0; // placing second value to 0

		byte1 = 8;
		byte2 = 2;
		byte1 += byte2; //This is addition

		System.out.println(byte1); // This prints the results

		byte1 = 10;
		byte2 = 8;
		byte1 -= byte2; //This is subtraction

		System.out.println(byte1); // This prints the results

		byte1 = 2;
		byte2 = 3;
		byte1 *= byte2; //This is multiplication

		System.out.println(byte1); // This prints the results

		byte1 = 100;
		byte2 = 5;
		byte1 /= byte2; // This is division

		System.out.println(byte1); // This prints the results

		System.out.println("This is the short section:");


		short short1 = 0;
		short short2 = 0;

		short1 = 10;
		short2 = 15;
		short1 += short2; // addition
		System.out.println(short1); // This prints the results

		short1 = 100;
		short2 = 80;
		short1 -= short2; // subtraction
		System.out.println(short1);// This prints the results

		short1 = 10;
		short2 = 10;
		short1 *= 10; // multiplication
		System.out.println(short1);// This prints the results

		short1 = 10;
		short2 = 5;
		short1 /= short2; // division
```

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System.out.println(short1);// This prints the results

System.out.println("This is the int section:");

int int1 = 0;
int int2 = 0;

int1 = 20;
int2 = 30;
int1 += int2; //this is addition
System.out.println(int1); // This prints the results

int1 = 10;
int2 = 15;
int1 -= int2; // this is subtraction
System.out.println(int1); // This prints the results

int1 = 5;
int2 = 100;
int1 *= int2; // this is multiplication
System.out.println(int1); // This prints the results

int1 = 1000;
int2 = 20;
int1 /= int2; // this is division
System.out.println(int1); // This prints the results

System.out.println("This is the long section:");

long long1 = 0;
long long2 = 0;

long1 = 10000;
long2 = 15000;
long1 += long2; // this is addition
System.out.println(long1); // This prints the results

long1 = 10;
long2 = 10000;
long1 -= long2; // this is subtraction
System.out.println(long1); // This prints the results

long1 = 10000;
long2 = 20000;
long1 *= long2; // this is multiplication
System.out.println(long1); // This prints the results

long1 = 10000;
long2 = 2;

long1 /= long2; // this is division
System.out.println(long1); // This prints the results

System.out.println("This is the float section:");

float float1 = 0;
float float2 = 0;

float1 = 50;
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            float2 = 60;
            float1 += float2; // this is addition
            System.out.println(float1); // This prints the results

            float1 = 30;
            float2 = 40;
            float1 -= float2; // this is subtraction
            System.out.println(float1); // This prints the results

            float1 = 20;
            float2 = 20;
            float1 *= float2; // this is multiplication
            System.out.println(float1); // This prints the results

            float1 = 20;
            float2 = 10;
            float1 /= float2; // this is division
            System.out.println(float1); // This prints the results

            System.out.println("This is the double section:");

            double double1 = 0;
            double double2 = 0;

            double1 = 20;
            double2 = 30;
            double1 += double2; // this is addition
            System.out.println(double1); // This prints the results

            double1 = 20;
            double2 = 1000000;
            double1 -= double2; // this is subtraction
            System.out.println(double1); // This prints the results

            double1 = 1000;
            double2 = 2000;
            double1 *= double2; // this is multiplication
            System.out.println(double1); // This prints the results

            double1 = 20000;
            double2 = 10000;
            double1 /= double2; // this is division
            System.out.println(double1); // This prints the results



      }

}
```