

## 1、最小公倍数

```
import java.util.*;

public class Main {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        long a = sc.nextLong();
        long b = sc.nextLong();
        System.out.println(a / gcd(a, b) * b );
    }

    public static long gcd(long a, long b) {
        while (a > 0) {
            long tmp = b % a;
            b = a;
            a = tmp;
        }
        return b;
    }

}
```

## 2、绩点

```
import java.math.BigDecimal;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int[] arr1 = new int[n];
        int[] arr2 = new int[n];
        int[] arr3 = new int[n];
        for (int i = 0; i < n; i++) {
            arr1[i] = sc.nextInt();
        }
        for (int i = 0; i < n; i++) {
            arr2[i] = sc.nextInt();
        }
        for (int i = 0; i < n; i++) {
            arr3[i] = sc.nextInt();
        }
        int ans1 = 0;
        int ans2 = 0;
        for (int i = 0; i < n; i++) {
            ans1 += arr1[i] * arr2[i];
            ans2 += arr1[i] * arr3[i];
        }
    }
}
```

```

    }
    if(ans1 > ans2){
        System.out.println("ke");
    }else if(ans1 < ans2){
        System.out.println("do");
    }else{
        System.out.println("same");
    }
}
}
}

```

### 3、贴邮票

```

import java.util.*;

public class Main {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        long num = sc.nextLong();
        long ans = 0;
        while (num > 0) {
            if (num >= 20) {
                ans += num / 20;
                num %= 20;
            } else if (num >= 10) {
                ans += num / 10;
                num %= 10;
            } else if (num >= 5) {
                ans += num / 5;
                num %= 5;
            } else {
                ans += num;
                num = 0;
            }
        }
        System.out.println(ans);
    }
}

```

### 4、红绿灯

```

import java.util.*;

public class Main {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        long a = sc.nextLong();
        long b = sc.nextLong();
        long c = sc.nextLong();
        long t = a + b;
    }
}

```

```
    long cycle = c / t;
    long mod = c % t;
    System.out.println(cycle * a + Math.min(mod, a));
}

}
```