```java
package bc;
import java.util.Scanner;

public class FieldTrip {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        final int BUS_CAPACITY = 45;

        System.out.print("Enter the number of people signed up for the field trip: ");
        int totalPeople = scanner.nextInt();

        int numberOfBuses = totalPeople / BUS_CAPACITY;
        int peopleInVans = totalPeople % BUS_CAPACITY;

        if (peopleInVans > 0) {
            numberOfBuses++;
            peopleInVans = BUS_CAPACITY - peopleInVans;
        } else {
            peopleInVans = 0;
        }

        System.out.println("Number of buses needed: " + numberOfBuses);
        System.out.println("Number of people that will need to ride in vans: " + peopleInVans);

        scanner.close();
    }
}
```

Console ✕

```
Enter the number of people signed up for the field trip: 23
Number of buses needed: 1
Number of people that will need to ride in vans: 22
```