```java
package arrays;

public class missingnum {
void missingnum() {
    int num[]= {1,2,4,5,6,8,7};
    int sum1=0,sum2=0;
    for(int i=0;i<num.length;i++) {
        sum1+=num[i];
    }
    for(int i=1;i<=8;i++) {
        sum2+=i;
    }
    System.out.println("Missing number is :"+(sum2-sum1));
}
public static void main(String[] args) {

   missingnum m=new missingnum();
            m.missingnum();

}
}
```

output :

Missing number is :3