```java
import stdlib.StdOut;
import stdlib.StdRandom;
public class Die implements Comparable<Die> {
   private int value; // the face value
   // Constructs a die.
   public Die() {
       value = 0;
   }
     // Rolls this die.
   public void roll() {
       value = StdRandom.uniform(1,7);
   }
   // Returns the face value of this die.
   public int value() {
       return value;
   }
   // Returns true if this die is the same as other, and false otherwise.
   public boolean equals(Object other) {
       if (other == this) {
           return true;
       }
       if (other == null) {
           return false;
       }
       if (other.getClass() != this.getClass()) {
           return false;
       }
       Die that = ((Die) other);
       return this.value == that.value;
   }

   // Returns a comparison of this die with other, by their face values.
   public int compareTo(Die that) {
       return (this.value - that.value);
   }

   // Returns a string representation of this die.
   public String toString() {
       if (value == 0) {
           return "Not rolled yet";
       }
       String[] faces = {
```

```
            "     \n  *  \n     ",
            "*    \n     \n    *",
            "*    \n  *  \n    *",
            "*   *\n     \n*   *",
            "*   *\n  *  \n*   *",
            "* * *\n     \n* * *",
        };
        return faces[value - 1];
    }

    // Unit tests the data type. [DO NOT EDIT]
    public static void main(String[] args) {
        int x = Integer.parseInt(args[0]);
        int y = Integer.parseInt(args[1]);
        int z = Integer.parseInt(args[2]);
        Die a = new Die();
        a.roll();
        while (a.value() != x) {
            a.roll();
        }
        Die b = new Die();
        b.roll();
        while (b.value() != y) {
            b.roll();
        }
        Die c = new Die();
        c.roll();
        while (c.value() != z) {
            c.roll();
        }
        StdOut.println("Dice a, b, and c:");
        StdOut.println(a);
        StdOut.println(b);
        StdOut.println(c);
        StdOut.println("a.equals(b)    = " + a.equals(b));
        StdOut.println("b.equals(c)    = " + b.equals(c));
        StdOut.println("a.compareTo(b) = " + a.compareTo(b));
        StdOut.println("b.compareTo(c) = " + b.compareTo(c));
    }
}
```