

```

public class Question5 {

    public long findSmallestMultiple(){
        boolean found = true;
        long result = 0;

        // Use given base case
        for(long x = 2520;found;x++){
            if(x%11 != 0 || x%12 != 0 || x%13 != 0 || x%14 != 0 ||
x%15 != 0 ||
                                x%16 != 0 || x%17 != 0 || x%18 != 0 ||
                                x%19 != 0 || x%20 != 0){
                continue;
            }
            result = x;
            found = false;
        }
        return result;
    }

    public static void main(String[] args) {
        System.out.println(new Question5().findSmallestMultiple());
    }

}

```