```java
package intro;

import java.text.NumberFormat;

public class Sieve {

    static int MAX = 0;

    public static void main String[] args) {

        System.out.println "\n     Sieve of Eratosthenes\n");

        Scanner input = new Scanner(System.in);
        System.out.print "Enter the primes upper bound  ===>>  ");
        MAX = input.nextInt();

        boolean primes[] = new boolean[MAX];
        computePrimes(primes);
        System.out.println "\n");
        displayPrimes(primes);
        input.close();
    }

    public static void computePrimes(boolean primes[]) {

        for (int i = 2; i <= MAX - 1; i++)
            primes[i] = true;

        for (int a = 2; a * a <= MAX - 1; a++)
            if (primes[a])
                for (int j = a; a * j <= MAX - 1; j++)
                    primes a * j] = false;
    }

    public static void displayPrimes(boolean primes[]) {

        int prime = 0;
        for (int i = 2; i <= MAX - 1; i++)
            if (primes[i] == true) {
                prime++;
                NumberFormat formatter = new DecimalFormat("0000");
                System.out.print(" " + formatter.format(i));
            if(prime % 16 == 0){
                System.out.println("\n");
            }
        }
    }
}
```