```java
public class CustomSeries {
    public static void main(String[] args) {
        int a = 0; // first term
        int b = 2; // multiplier
        int n = 10; // number of terms

        int sum = a;
        for (int i = 0; i < n; i++) {
            sum += (int)Math.pow(2, i) * b;
            System.out.print(sum + " ");
        }
    }
}
```