

04/16

10:34 AM

write a recursive mathematical definition  
for computing  $1 + 2 + 3 + \dots + n$  for a  
positive integer  $n$ .

```
public class Test {
    public static void main(String[] args) {
        System.out.print(recursiveSum(6))
    }
    public static int recursiveSum(int n) {
        if (n == 1)
            return 1;
        return n + recursiveSum(n - 1);
    }
}
```