Given an array of numbers find its moving average with window length 5. Try to do this using only "2 \* n" number of additions where n is the length of the original array.

Example Input: [1, 2, 3, 4, 5, 6, 7, 8]

Example Output: [3, 4, 5, 6]

```
function movingAvg(arr) {
   const movingAvgs = [];
   let sum = 0;

   // Calculate sum of first window
   for (let i = 0; i < 5; i++) {
       sum += arr[i];
   }
   movingAvgs.push(sum / 5);

   // Update sum for subsequent windows using previous sum
   for (let i = 1; i <= arr.length - 5; i++) {
       sum = sum - arr[i - 1] + arr[i + 4]; // Subtract first element of previous window, add
   next element
       movingAvgs.push(sum / 5);
   }
   return movingAvgs;
}

console.log(movingAvg([1, 2, 3, 4, 5, 6, 7, 8]));</pre>
```

Without the 2 \* n condition:

```
function movingAvg(arr) {
    const movingAvgs = [];

    for (let i = 0; i <= arr.length - 5; i++) {
        let sum = 0;
        for (let j = i; j < i + 5; j++) {
            sum += arr[j];
        }
        movingAvgs.push(sum / 5);
    }
    return movingAvgs;
}

console.log(movingAvg([1, 2, 3, 4, 5, 6, 7, 8]));</pre>
```