Given a sequence of n values x1, x2, ..., xn and a window size k>0, the k-th moving average of the given sequence is defined as follows:

Thus, the moving average sequence has n-k+1=10-4+1=7 values.

```
In [11]: import numpy as np
    def moving_average_sum(sequence, window):
        cumulativesum, moving_aves = [0], []
        for i, x in enumerate(sequence, 1):
            cumulativesum.append(cumulativesum[i-1] + x)
            if ( i >= window ):
                  moving_ave = (cumulativesum[i] - cumulativesum[i- window])/window
                  moving_aves.append(moving_ave)
        return moving_aves

print(moving_average_sum([10, 20, 30, 40, 50, 60, 70,80,90,100], 4))
        print(moving_average_sum([3, 5, 7, 2, 8,10,11,65,72,81,99,100,150], 3))
```

Write a function to find moving average in an array over a window: Test it over [3, 5, 7, 2, 8, 10, 11, 65, 72, 81, 99, 100, 150] and window of 3.