|  |  |  |
| --- | --- | --- |
| Number of orders: | Time it took with single thread: | Time it took with multiple threads: |
| 4 | 46076 msec | 18836 msec |
| 5 | 36478 msec | 23490 msec |
| 6 | 53830 msec | 28820 msec |

**Analysis:**

Based on the results shown in the graph, we can clearly see the difference between multi and single threading. In the first test run, we passed in 4 orders to thread through. The single thread took 46076 msec, while multi threading took 18836. That is almost 3x quicker for multi threading than single threading. As we passed in more orders, the time it takes for both increases, but the ratio stays around the same for multi threading being 3x faster than single threading.