**EXAMPLE:** Many people take ginkgo supplements advertised to improve memory. Are these over-the-counter supplements effective? In a study, elderly adults were assigned to the treatment group or control group. The 104 participants who were assigned to the treatment group took 40 mg of ginkgo 3 times a day for 6 weeks. The 115 participants assigned to the control group took a placebo pill 3 times a day for 6 weeks. At the end of 6 weeks, the Wechsler Memory Scale was administered. Higher scores indicate better memory function. Summary values are given in the following table:

|  |  |  |  |
| --- | --- | --- | --- |
|  | n |  | s |
| Ginkgo | 104 | 5.7 | 0.6 |
| Placebo | 115 | 5.5 | 0.5 |

Based on these results, is there evidence that taking 40mg of ginkgo 3 times a day is effective in increasing mean performance on the Wechsler Memory Scale?