

# Standard Deviation Puzzles - 6

If we double (multiply by 2) each of the 500 scores in a sample having a mean of 45 and standard deviation of 10, the new value of the standard deviation for the sample would be:  $S$ .

In the answer box, enter the value of  $S$ , correct to one place of decimal.

### Submission Modes and Output Format

You may either solve the problem on pen-and-paper and submit the final answer in the text box, or you may submit an R or Python program to accomplish the above task. Your output should be a floating point/decimal number, correct to 1 place of decimal.

1. In the text box below, enter a floating point/decimal number, correct to 1 place of decimal.
2. Alternatively, you may submit an **R** program, which uses the above parameters (hard-coded) and computes the answer.

Your answer should resemble something like:

9.1

(This is **NOT** the answer, just a demonstration of what the answering format should resemble).