

It's a Wild Ride Statistics Exam

Name _____

Theresa found (what she believed to be) the speed for the five fastest roller coasters in the world. The speeds of these top 5 coasters are: 103, 100, 99, 100, and 98. Given this data set find the following information (show your work):

Mean:

Median:

Mode:

Range:

Sarah had also been researching roller coasters, but looking for the 5 steepest coasters. The site she was working on crashed but Sarah did remember the steepness of 4 of the 5 coasters and she also remembered the mean score for the five. Rather than restarting her computer, Sarah decided to calculate the missing score.

The four values Sarah remembers are: 80° , 76° , 62° , and 68° . The average steepness for the five coasters is 72° , what is missing value?