

Mean Absolute Deviation

Mean Absolute Deviation (MAD): The average distance between each data value and the mean

Step 1: Find the mean of the data

Step 2: Find the deviation or _____ between each data value and the mean

Step 3: Find the mean of the deviations

Find the Mean Absolute Deviation of the data set below.

12, 24, 20, 21, 15, 11, 28, 29

Mean:

*Note: It is called the **Mean Absolute Deviation** because we do not care if the number is bigger or smaller than the mean, only how far away it is from the mean.

The data below represents scores from a math test. Find the Mean Absolute Deviation. (Round MAD to nearest tenth)

76, 84, 90, 96, 100, 73, 68, 84, 89, 91, 82

What can we conclude about our test scores based on Mean Absolute Deviation?

You Try...

Find the Mean Absolute Deviation of this set of data.

12, 5, 8, 10, 4, 3, 7, 6, 12, 8