

# Mean Absolute Deviation

- 1) Find the mean absolute deviation for the data sets A and B. Round your answers to two decimal places and compare them.

A	31	45	58	62	86	90	97
B	30	32	40	56	64	78	92

Mean Absolute Deviation for A = \_\_\_\_\_

Mean Absolute Deviation for B = \_\_\_\_\_

- 2) The table below provides the average monthly temperatures in Australia in terms of degrees Celsius for the following data sets and round your answers to two decimal places.

Australia	
380.1	379.5
376.3	375.2

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Mean Absolute Deviation for B

- 3) The weather averages for the months of October to February are summarized in the table below. What will the mean absolute deviation be, if 39 is added to the table as the average temperature of March? Write a few sentences comparing the two mean absolute deviations.

America	
298	281.6

Mean Absolute Deviation without '39' = \_\_\_\_\_

Mean Absolute Deviation with '39' = \_\_\_\_\_

Oct - Feb weather averages (in ° Fahrenheit)				
57	48	48	36	36

Mean Absolute Deviation with '39'

Mean Absolute Deviation without '39'

**Mean Absolute Deviation**

- 1) Find the mean absolute deviation for the data sets A and B. Round your answers to two decimal places and compare them.

A	31	45	58	62	86	90	97
B	30	32	40	56	64	78	92

Mean Absolute Deviation for A = 20.57

Mean Absolute Deviation for B = 18.86

- 2) The table below provides the average monthly temperatures in Australia in terms of degrees Celsius for two data sets and round...

America	
380.1	379
376.3	375

- ...degrees in America and the mean absolute deviation of each of the...

298
281.6

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- 3) The weather averages for the months of October to February are summarized in the table below. What will the mean absolute deviation be, if 39 is added to the table as the average temperature of March? Write a few sentences comparing the two mean absolute deviations.

Mean Absolute Deviation without '39' = 7.2

Mean Absolute Deviation with '39' = 7

Oct - Feb weather averages (in ° Fahrenheit)				
57	48	48	36	36

Mean Absolute Deviation with '39' < Mean Absolute Deviation without '39'

**The data values with '39' are closer to the mean than the data values without '39'.**