

# 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	33	54	60	71	83	95
B	16	25	49	51	67	80

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

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

- 2) The table below shows the number of people reported by a magazine for each continent. Round your answers to two decimal places.

North America	51.1	48.6	Europe	32.1	Asia
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- 3) The gender ratio table below shows the number of men for every 100 women in seven cities. What is the mean absolute deviation of the data set, both with and without the data value of 103.2? Round your answers to two decimal places. Explain how the inclusion affects the mean absolute deviation.

Mean Absolute Deviation with '103.2' = \_\_\_\_\_

Mean Absolute Deviation without '103.2' = \_\_\_\_\_

Gender ratio (number of men to 100 women)						
109.5	105.8	104.2	103.7	103.2	102.8	101.6

Mean Absolute Deviation with '103.2'

Mean Absolute Deviation without '103.2'

**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	33	54	60	71	83	95
B	16	25	49	51	67	80

Mean Absolute Deviation for A = 17

Mean Absolute Deviation for B = 18.33

Mean Abs

ation for B

- 2) The table below shows the number of people reported by a magazine for each set of the data provided. Round your answers to two decimal places.

Asia and Europe as  
on for each set of the

Net			
Asia			
	51.1	48.6	32.1

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- 3) The gender ratio table below shows the number of men for every 100 women in seven cities. What is the mean absolute deviation for the data set, both with and without the data value of 103.2? Round your answers to two decimal places. Explain how the inclusion affects the mean absolute deviation.

Mean Absolute Deviation with '103.2' = 1.86

Mean Absolute Deviation without '103.2' = 2.03

Gender ratio (number of men to 100 women)						
109.5	105.8	104.2	103.7	103.2	102.8	101.6

Mean Absolute Deviation with '103.2'  <  Mean Absolute Deviation without '103.2'

**The data values with '103.2' are closer to the mean than the data values without '103.2'.**