

The first two tables are partially filled out for you.

a. 30, 27, 23, 24

value	absolute deviation
30	
27	
23	
24	

b. 74, 84, 72, 79

value	absolute deviation
74	
84	
72	
79	

mean: ______ MAD: _____ mean: _____ MAD: _____

Mean Absolute Deviation

c. 105, 99, 104, 105, 112

value	absolute deviation				

d. 15, 16, 11, 19, 12

value	absolute deviation			



Preview

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value	absolute deviation		value	abs	olute deviation	on
		J		<u> </u>		
mean:	MAD:		mean:		MAD:	

ANSWER KEY

Mean Absolute Deviation

The **mean absolute deviation (MAD)** is a measure of variability. It tells the mean distance of all data points from the mean of a data set.

The MAD is useful because it accounts for every data point. However, like any mean, it can be affected by skews and outliers. It also cannot indicate skew directions since it uses absolute value.

example: Misael scores 121, 140, 132, 114, and 137 in five bowling games.

Step 1: Find the mean.

(121 + 140 + 132 + 114 + 137) ÷ 5 = 128.8

Find the absolute 1128.8 1211 - 7.9



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ANSWER KEY

Mean Absolute Deviation

c. 105, 99, 104, 105, 112

value	absolute deviation
105	105 – 105 = 0
99	105 - 99 = 6
104	105 – 104 = 1
105	

d. 15, 16, 11, 19, 12

value	absolute deviation
15	14.6 – 15 = 0.4
16	14.6 - 16 = 1.4
11	14.6 - 11 = 3.6
10	



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