



Name : \_\_\_\_\_

## Answer key

L3S3

### Mean Absolute Deviation

Find the mean absolute deviation of each set of data. Round your answer to two decimal places.

1) 28, 19.7, 13.7, 48.4

Data	Mean	Difference	Absolute Value
13.7	27.45	-13.75	13.75
19.7	27.45	-7.75	7.75
28	27.45	0.55	0.55
48.4	27.45		

2) 92.5, 57.4, 32.9, 62.7, 66.1, 52

Data	Mean	Difference	Absolute Value
32.9	60.6	-27.7	27.7
52	60.6	-8.6	8.6
57.4	60.6	-3.2	3.2
62.7	60.6	2.1	2.1
		5.5	5.5
		31.9	31.9
		Sum	79

Mean Absolute Deviation =           

Mean Absolute Deviation =           13.17          

3) 27.1, 65.9, 32.8, 44.2, 46.7, 52.4, 65.9

Data	Mean
27.1	44.85
32.8	44.85
44.2	44.85
46.7	44.85
52.4	44.85
65.9	44.85

62.2, 57.3

Data	Difference	Absolute Value
	-8.5	8.5
	-7.9	7.9
	-3.6	3.6
	5.3	5.3
	14.7	14.7
	Sum	40

Mean Absolute Deviation =           10.15          

Mean Absolute Deviation =           8          

5) The following table depicts how fast the people of six major cities of the United States could browse the internet in 2018. Find the mean absolute deviation of the given speeds.

Internet speeds for 2018 (in Megabits per second)					
Boston	Chicago	Jersey	Kansas	Atlanta	Lexington
131.1	90.9	129.1	159.2	90	85.5

Mean =           114.3          

Mean Absolute Deviation =           25.5          

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