

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

L3S2

## Mean Absolute Deviation

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

1) 76.8, 68.7, 37.6, 57.9, 57.1

2) 82.6, 49, 56.1, 82.4, 91

Data	Mean	Difference	Absolute Value

Data	Mean	Difference	Absolute Value
		Sum	

Mean Absolute Deviation = \_\_\_\_\_

Mean Absolute Deviation = \_\_\_\_\_

3) 26.7, 72.9, 55, 41.4

73.4, 73.8, 12

Data	Mean

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Data	Mean	Difference	Absolute Value
		Sum	

Mean Absolute Deviation = \_\_\_\_\_

Mean Absolute Deviation = \_\_\_\_\_

5) The table below illustrates the percentage share of four search engines as used by people of a particular country. Determine the mean absolute deviation of the data set.

Search share (in %)			
Google	Bing	Yahoo	Ask
77.3	12.1	8.6	3.4

Mean = \_\_\_\_\_

Mean Absolute Deviation = \_\_\_\_\_

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

## Answer key

# Mean Absolute Deviation

L3S2

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

1) 76.8, 68.7, 37.6, 57.9, 57.1

Data	Mean	Difference	Absolute Value
37.6	59.62	-22.02	22.02
57.1	59.62	-2.52	2.52
57.9	59.62	-1.72	1.72
68.7	59.62	9.08	9.08
76.8	59.62	18.78	18.78

2) 82.6, 49, 56.1, 82.4, 91

Data	Mean	Difference	Absolute Value
49	72.22	-23.22	23.22
56.1	72.22	-16.12	16.12
82.4	72.22	10.18	10.18
82.6	72.22	10.38	10.38
91	72.22	18.78	18.78
Sum			78.68

Mean Absolute Deviation = 14.95

Mean Absolute Deviation = 15.74

3) 26.7, 72.9, 55, 41.4

Data	Mean
26.7	49
41.4	49
55	49
72.9	49

4) 73.4, 73.8, 12

Data	Difference	Absolute Value
12	-35.25	35.25
73.4	-21.55	21.55
73.8	-14.75	14.75
73.4	18.85	18.85
73.8	26.15	26.15
73.4	26.55	26.55
Sum		143.1

Mean Absolute Deviation = 14.95

Mean Absolute Deviation = 23.85

5) The table below illustrates the percentage share of four search engines as used by people of a particular country. Determine the mean absolute deviation of the data set.

Search share (in %)			
Google	Bing	Yahoo	Ask
77.3	12.1	8.6	3.4

Mean = 25.35

Mean Absolute Deviation = 25.98

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