

Name : _____

L151

Mean Absolute Deviation

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

1) 3, 1, 5, 4, 8, 6

Data	Mean	Difference	Absolute Value
Sum			

Mean Absolute Deviation = _____

2) 78, 45, 60, 33, 84

Data	Mean	Difference	Absolute Value
Sum			

Mean Absolute Deviation = _____

3) 23, 15, 15, 7

Data	Mean	Difference	Absolute Value
Sum			

Mean Absolute Deviation = _____

4) 11, 9, 36, 28, 7, 41

Data	Mean	Difference	Absolute Value
Sum			

Mean Absolute Deviation = _____

5) The percentage of Facebook users from different age groups is shown below. Find the mean absolute deviation of the following data set.

Mean = _____

Mean Absolute Deviation = _____

Facebook users (in %)			
13 - 17	18 - 25	26 - 34	35 - 44
11	29	23	18

Name : _____

Answer key

L151

Mean Absolute Deviation

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

1) 3, 1, 5, 4, 8, 6

Data	Mean	Difference	Absolute Value
1	4.5	-3.5	3.5
3	4.5	-1.5	1.5
4	4.5	-0.5	0.5
5	4.5	0.5	0.5
6	4.5	1.5	1.5
8	4.5	3.5	3.5
Sum			11

Mean Absolute Deviation = 1.83

2) 78, 45, 60, 33, 84

Data	Mean	Difference	Absolute Value
33	60	-27	27
45	60	-15	15
60	60	0	0
78	60	18	18
84	60	24	24
Sum			84

Mean Absolute Deviation = 16.8

3) 23, 15, 15, 7

Data	Mean	Difference	Absolute Value
7	15	-8	8
15	15	0	0
15	15	0	0
23	15	8	8
Sum			16

Mean Absolute Deviation = 4

4) 11, 9, 36, 28, 7, 41

Data	Mean	Difference	Absolute Value
7	22	-15	15
9	22	-13	13
11	22	-11	11
28	22	6	6
36	22	14	14
41	22	19	19
Sum			78

Mean Absolute Deviation = 13

5) The percentage of Facebook users from different age groups is shown below. Find the mean absolute deviation of the following data set.

Mean = 20.25Mean Absolute Deviation = 5.75

Facebook users (in %)			
13 - 17	18 - 25	26 - 34	35 - 44
11	29	23	18