

Name : _____

Answer key

L152

Mean Absolute Deviation

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

1) 11, 20, 38, 5, 4

Data	Mean	Difference	Absolute Value
4	15.6	-11.6	11.6
5	15.6	-10.6	10.6
11	15.6	-4.6	4.6
20	15.6		
38	15.6		

2) 27, 8, 12, 6

Data	Mean	Difference	Absolute Value
6	13.25	-7.25	7.25
8	13.25	-5.25	5.25
12	13.25	-1.25	1.25
27	13.25	13.75	13.75
Sum			27.5

Mean Absolute Deviation = _____

Mean Absolute Deviation = 6.88

3) 57, 35, 9, 57, 2, 44

Data	Mean
2	34
9	34
35	34
44	34
57	34
57	34

	Difference	Absolute Value
-15.5	15.5	
-7.5	7.5	
9.5	9.5	
13.5	13.5	
Sum		46

Mean Absolute Deviation = 19

Mean Absolute Deviation = 11.5

5) Five competitions were conducted at the Talent Hunt. The below table illustrates how many candidates participated in each contest. Figure out the mean absolute deviation of the set of data.

Mean = 52.6

Mean Absolute Deviation = 23.52

Talent Hunt participants				
Quiz	Music	Dance	Drawing	Elocution
52	34	78	86	13

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