

Mean Absolute Deviation Practice

Name _____

1. Find the mean absolute deviation.

48, 52, 54, 55, 58, 59, 60, 62

Data	Mean	Deviation	Absolute Deviation
		Sum:	
		Count:	
		Mean Absolute Deviation:	

2. Find the mean absolute deviation.

240, 260, 272, 266, 280, 248

Data	Mean	Deviation	Absolute Deviation
		Sum:	
		Count:	
		Mean Absolute Deviation:	

3. Find the mean absolute deviation.

3, 15, 6, 54, 7, 38, 10

Data	Mean	Deviation	Absolute Deviation
		Sum:	
		Count:	
		Mean Absolute Deviation:	

4. Find the mean absolute deviation.

90, 95, 88, 100, 98, 115, 120, 150

Data	Mean	Deviation	Absolute Deviation
		Sum:	
		Count:	
		Mean Absolute Deviation:	

5. Find the mean of the data shown to the right.

14	10	12	12
19	15	16	12
11	20	15	12
13	17	14	12

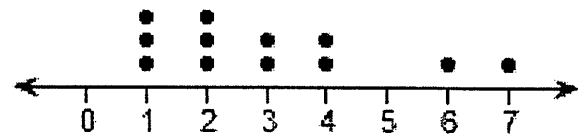
a. What is the absolute deviation of 11

b. What is the absolute deviation of 13

c. What is the absolute deviation of 18

6. Find the mean absolute deviation for the data displayed in the dot plot.

List the Data from Least to Greatest



a. **Find the mean of the data**

b. **Find the mean absolute deviation of the data**

c. Your friend says that the deviation of 6 is -3 . What is the correct deviation and what mistake did they likely make?

Mean Absolute Deviation Practice

1. Find the mean absolute deviation.

48, 52, 54, 55, 58, 59, 60, 62

Data	Mean	Deviation	Absolute Deviation
48	56	-8	8
52	56	-4	4
54	56	-2	2
55	56	-1	1
58	56	+2	2
59	56	+3	3
60	56	+4	4
62	56	+6	6
Sum:			30
Count:			8
Mean Absolute Deviation:			3.75

Name Key

2. Find the mean absolute deviation.

240, 260, 272, 266, 280, 248

Data	Mean	Deviation	Absolute Deviation
240	261	-21	21
260	261	-1	1
272	261	+11	11
266	261	+5	5
280	261	+19	19
248	261	-13	13
Sum:			70
Count:			6
Mean Absolute Deviation:			11.6

3. Find the mean absolute deviation.

3, 15, 6, 54, 7, 38, 10

Data	Mean	Deviation	Absolute Deviation
3	19	-16	16
15	19	-4	4
6	19	-13	13
54	19	+35	35
7	19	-12	12
38	19	+19	19
10	19	-9	9
Sum:			108
Count:			7
Mean Absolute Deviation:			15.4

4. Find the mean absolute deviation.

90, 95, 88, 100, 98, 115, 120, 150

Data	Mean	Deviation	Absolute Deviation
90	107	-17	17
95	107	-12	12
88	107	-19	19
100	107	-7	7
98	107	-9	9
115	107	+8	8
120	107	+13	13
150	107	+43	43
Sum:			128
Count:			8
Mean Absolute Deviation:			16

5. Find the mean of the data shown to the right.

14	10	12	12
19	15	16	12
11	20	15	12
13	17	14	12

a. What is the absolute deviation of 11

$$+3$$

b. What is the absolute deviation of 13

$$+1$$

$$\text{mean} = 14$$

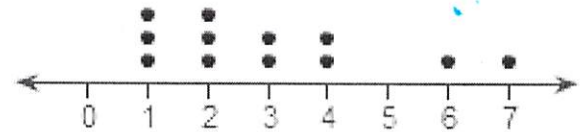
c. What is the absolute deviation of 18

$$+4$$

6. Find the mean absolute deviation for the data displayed in the dot plot.

List the Data from Least to Greatest

1, 1, 1, 2, 2, 2, 3, 3, 4, 4, 6, 7



a. Find the mean of the data

$$36 \div 12 = 3$$

b. Find the mean absolute deviation of the data

	mean	AD		mean	AD
1	3	2	3	3	0
1	3	2	3	3	0
1	3	2	4	3	1
2	3	1	4	3	1
2	3	1	6	3	3
2	3	1	7	3	4

$$\text{MAD} = \frac{18}{12} = 1.5$$

c. Your friend says that the deviation of 6 is -3. What is the correct deviation and what mistake did they likely make?

$$+3$$

6 is above the mean. They likely made the mistake thinking 6 was below the mean!