Name: _____ Date: _____ Period: _____

Mean Absolute Deviation Worksheet

Find the mean absolute deviation

10, 7, 13, 10, 8

Data	Mean	Difference	Positive Value
		Sum:	
		Count:	
		Mean Absolute Deviation:	

The average of the "Positive Value" column

Find the mean absolute deviation

110, 114, 104, 108, 106

Data	Mean	Difference	Positive Value
		Sum:	
		Count:	
		Mean Absolute Deviation:	

The average of the "Positive Value" column

Find the mean absolute deviation

87, 75, 85, 77, 74, 82, 90, 88, 79, 81

Data	Mean	Difference	Positive Value
		Sum:	
		Count:	
		Mean Absolute Deviation:	

The average of the "Positive Value" column

Find the mean absolute deviation

15, 17, 15, 17, 21, 17, 15, 23, 20, 18

Data	Mean	Difference	Positive Value
		Sum:	
		Count:	
		Mean Absolute Deviation:	

The average of the "Positive Value" column

MEAN ABSOLUTE DEVIATION

Q.1) Find the mean absolute deviation for the set below. S = {85, 90, 68, 75, 79}

A. 79.4
B. 6.48
C. 32.4
D. 79

Q.2) Sherrie just registered for her wedding. So far 6 items have been fulfilled on her registry. Find the mean price of the fulfilled items. $29, $58, $15, $129, $75, $22

A. 43.5
B. 129
C. 54.7
D. 114

Q.3) Find the mean absolute deviation of the fulfilled items on Sherrie's registry. $29, $58, $15, $129, $75, $22

A. 196
B. 54.7
C. 114
D. 32.67

Q.4) Family A and Family B both have 8 people in their family. The ages of each member is listed below. Which statement is correct about the variability of the two families. Family A: 35, 5, 42, 9, 16, 3, 8, 12 Family B: 1, 5, 29, 3, 7, 35, 6, 9

A. The variability is the same for both Family A and Family B because t hey have the same mean absolute deviation.
B. The variability for Family A is greater because the mean is greater for Family A.
C. The variability for Family B is greater because the mean absolute deviation is greater for Family B.
D. There is not enough information to determine the variability.

Q.5) Find the mean absolute deviation for the set below. S = {65, 90, 85, 70, 70, 95, 55}

A. 12.24
B. 75.7
C. 85.7
D. 40

Name: _____ Date: _____ Period: _____

Mean Absolute Deviation Worksheet

1. Find the mean absolute deviation

10, 7, 13, 10, 8

Data	Mean	Difference	Positive Value
10	9.6	.4	.4
7	9.6	-2.6	2.6
13	9.6	3.4	3.4
10	9.6	.4	.4
8	9.6	-1.6	1.6

	Sum:	8.4 — 8.4
	Count:	5 — 5
The average of the "Positive Value" column	Mean Absolute Deviation:	1.68 — 1.68

2. Find the mean absolute deviation

110, 114, 104, 108, 106

Data	Mean	Difference	Positive Value
110	108.4	1.6	1.6
114	108.4	5.6	5.6
104	108.4	-4.4	4.4
108	108.4	-.4	.4
106	108.4	-2.4	2.4

	Sum:	14.4 — 14.4
	Count:	5 — 5
The average of the "Positive Value" column	Mean Absolute Deviation:	2.88 — 2.88

3. Find the mean absolute deviation

87, 75, 85, 77, 74, 82, 90, 88, 79, 81

Data	Mean	Difference	Positive Value
87	81.8	-5.2	5.2
75	81.8	-6.8	6.8
85	81.8	3.2	3.2
77	81.8	-4.8	4.8
74	81.8	-7.8	7.8
82	81.8	.2	.2
90	81.8	8.2	8.2
88	81.8	6.2	6.2
79	81.8	-2.8	2.8
81	81.8	-.8	.8

	Sum:	46 — 46
	Count:	10 — 10
The average of the "Positive Value" column	Mean Absolute Deviation:	4.6 — 4.6

4. Find the mean absolute deviation

15, 17, 15, 17, 21, 17, 15, 23, 20, 18

Data	Mean	Difference	Positive Value
15	17.8	-2.8	2.8
17	17.8	-.8	.8
15	17.8	-2.8	2.8
17	17.8	-.8	.8
21	17.8	3.2	3.2
17	17.8	-.8	.8
15	17.8	-2.8	2.8
23	17.8	5.2	5.2
20	17.8	2.2	2.2
18	17.8	.2	.2

	Sum:	21.6 — 21.6
	Count:	10 — 10
The average of the "Positive Value" column	Mean Absolute Deviation:	2.16 — 2.16

MEAN ABSOLUTE DEVIATION

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