

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

Family A and Family B both have 8 people in their family. The ages of each member is listed below.

Q.4) 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 they 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