

Name: _____

Date: _____

Period: _____

Directions: calculate the Mean Absolute Deviation. Use the template to help you with the steps. Round to the nearest tenths place if needed.

How to find the Mean Absolute Deviation

Find the MAD of: 2,3,3,5,7

Step 1: Find the MEAN of the given data.

$$2+3+3+5+7 = 20 \text{ divide by } 5 = 4$$

Step 2: Fill in the chart. Each data point goes in one box in first column. The mean (from step 1) listed in second column.

Step 3: Subtract the larger number from the smaller number

Find the MAD of: 2,3,3,5,7		
Data	Mean	Difference
2	4	= 2
3	4	= 1
4	4	= 0
5	4	= 1
7	4	= 3
	Sum:	7
	Divide by # of numbers	5
	= Mean Absolute Deviation	$7 \div 5 = 1.4$

Step 4: All up all the differences.

Step 5: Divide by number of #'s.

Step 6: Place answer in bottom box.

You Try It!

Find the MAD of: 8,1,9,1,6

Step 1: Find the MEAN of the given data.

Step 2: Fill in the chart. Each data point goes in one box in first column. The mean (from step 1) listed in second column.

Step 3: Subtract the larger number from the smaller number

Find the MAD of: 8,1,9,1,6		
Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

Step 4: All up all the differences.

Step 5: Divide by number of #'s.

Step 6: Place answer in bottom box.

Name: _____ Date: _____ Period: _____

Directions: calculate the Mean Absolute Deviation. Use the template to help you with the steps. Round to the nearest tenths place if needed.

**1. Find the MAD of:
5,8,12,20,10**

Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

**2. Find the MAD of:
11,12,14,13,10**

Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

**3. Find the MAD of:
10,9,3,8,12**

Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

**4. Find the MAD of:
1,2,7,5,5,10**

Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

**5. Find the MAD of:
1,10,7,6,4,8**

Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

**6. Find the MAD of:
12,14,16,10,18**

Data	Mean	Difference
	Sum:	
	Divide by # of numbers	
	= Mean Absolute Deviation	

7. **Number of People per Household**

1	6	2	4	4	3	5	5	2	8
---	---	---	---	---	---	---	---	---	---

Calculate the mean number of people per household. _____

Calculate the MAD of the number of people per household. _____

Workspace