

Mean Absolute Deviation Homework

Name: _____

Date: _____ Period: _____

Find the mean absolute deviation for each set of data.

1. 80, 82, 82, 88, 90, 94, 102, 104, 106

MEAN:		MAD:
DATA	DIFFERENCE Data minus Mean	ABSOLUTE VALUE

Sum = Sum =

2. 160, 166, 170, 172, 178, 180, 190, 204, 260

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Sum = Sum =

Mean Absolute Deviation HW

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ANSWER KEY

Find the mean absolute deviation for each set of data. Round final answer to the nearest tenth.

1. 80, 82, 82, 88, 90, 94, 102, 104, 106

MEAN: $828/9 = 92$		MAD: $76/9 = 8.4$
DATA	DIFFERENCE Data minus Mean	ABSOLUTE VALUE
80	$80 - 92 = -12$	$ -12 = 12$
82	$82 - 92 = -10$	$ -10 = 10$
82	$82 - 92 = -10$	$ -10 = 10$
88	$88 - 92 = -4$	$ -4 = 4$
90	$90 - 92 = -2$	$ -2 = 2$
94	$94 - 92 = 2$	$ 2 = 2$
102	$102 - 92 = 10$	$ 10 = 10$
104	$104 - 92 = 12$	$ 12 = 12$
106	$106 - 92 = 14$	$ 14 = 14$
SUM: 76		

2. 160, 166, 170, 172, 178, 180, 190, 204, 260

MEAN: $1680/9 = 186.7$		MAD: $188.1/9 = 20.9$
DATA	DIFFERENCE Data minus Mean	ABSOLUTE VALUE
160	$160 - 186.7 = -26.7$	$ -26.7 = 26.7$
166	$166 - 186.7 = -20.7$	$ -20.7 = 20.7$
170	$170 - 186.7 = -16.7$	$ -16.7 = 16.7$
172	$172 - 186.7 = -14.7$	$ -14.7 = 14.7$
178	$178 - 186.7 = -8.7$	$ -8.7 = 8.7$
180	$180 - 186.7 = -6.7$	$ -6.7 = 6.7$
190	$190 - 186.7 = 3.3$	$ 3.3 = 3.3$
204	$204 - 186.7 = 17.3$	$ 17.3 = 17.3$
260	$260 - 186.7 = 73.3$	$ 73.3 = 73.3$