SECRET MESSAGE MATH

Name _____

Can you decode the message? In each row, determine which set of data has the greatest mean absolute deviation. You may need to use another sheet of paper to record the mean, the distances from the mean, and the average distance from the mean. Circle the letter next to the greatest mean absolute deviation in each row. The first one has been completed for you.

#	Left data			Right data
1	mean of 3 — m.a.d. = 1.67	(F)	M	mean of 3 — m.a.d. = 0.67
2	mean of 14 (dot plot)	Y	A	mean of 14 (dot plot)
3	dot plot (30–37)	R	H	dot plot (30–37)
4	dot plot (50–57)	F	E	dot plot (50–57)
5	10, 12, 13, 16, 19	A	R	A data set with a mean absolute deviation of 3
6	8, 15, 16, 18, 21, 24	D	O	A data set with a mean absolute deviation of 5
7	4, 7, 8, 10, 11	M	H	A data set with a mean absolute deviation of 1.5
8	0, 0, 5, 10, 20	M	U	A data set with a mean absolute deviation of 6
9	3, 4, 5, 6, 8, 10	R	E	A data set with a mean absolute deviation of 3.5
10	10, 15, 25, 50, 100	A	T	5, 20, 40, 50, 75
11	2, 6, 8, 9, 10	S	N	0, 6, 8, 9, 10, 12

Read the message from top to bottom. What does it say? _____