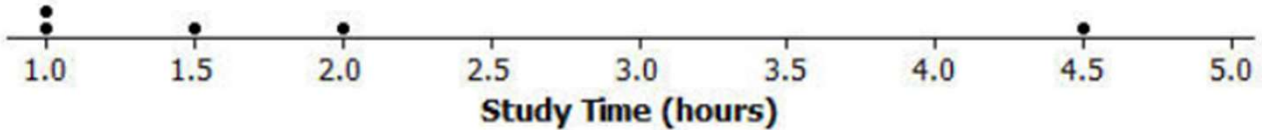


Interpret Mean Absolute Deviation

1. A dot plot of times that five students studied for a test is displayed below.

Studying for a Test



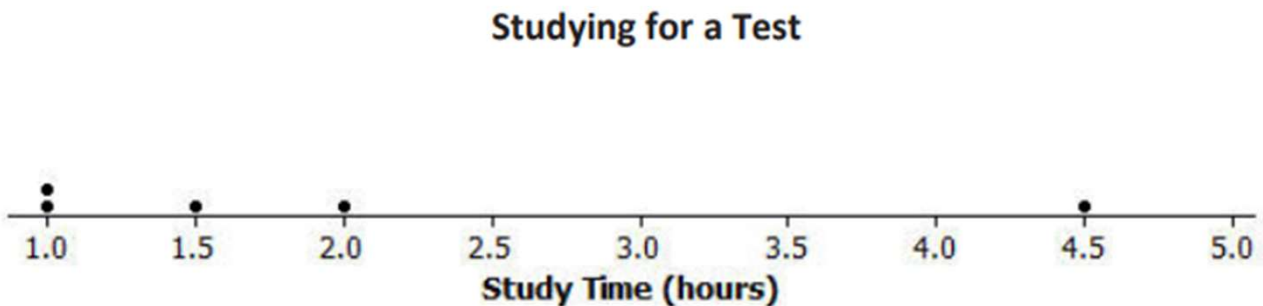
a) Calculate the mean number of hours that these five students studied. Then, use the mean to calculate the absolute deviations, and complete the table.

Student	Aria	Ben	Chloe	Dellan	Emma
Number of Study Hours	1	1	1.5	2	4.5
Absolute Deviation					

b) Find and interpret the MAD for this data set.

Interpret Mean Absolute Deviation

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a) Calculate the mean number of hours that these five students studied. Then, use the mean to calculate the absolute deviations, and complete the table.

Student	Aria	Ben	Chloe	Dellan	Emma
Number of Study Hours	1	1	1.5	2	4.5
Absolute Deviation	1	1	0.5	0	2.5

The mean is 2 hours.

b) Find and interpret the MAD for this data set.

$$\frac{5}{5} = 1.$$

The MAD is 1 hour. This means that, on average, the study times differed by 1 hour from the group mean of 2 hours.

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