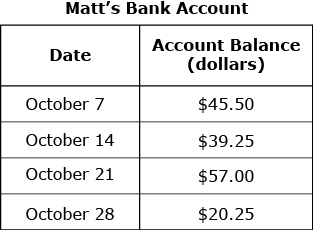
Matt’s bank account balance at the end of each week for the month of October is shown in the table.



**Part A**  
What is the mean account balance for the amounts in the table? Show your work.

Work:

Answer:  
  
**Part B**  
The expression below can be used to determine Matt’s take-home pay, in dollars, in one week when he works *h* hours.

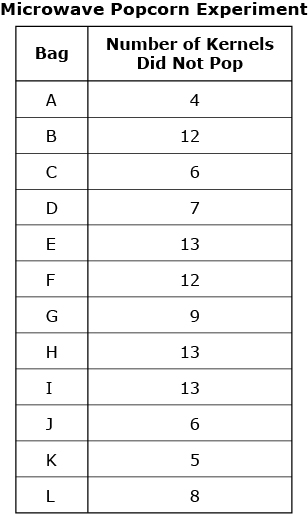
https://gofar.gadoe.org/QB/Temp/af3db747-0ece-46f0-8399-ee82c22a41d1/Assessment/source/Content/images/i_m0612111/equm0612111_1.jpg  
What is the amount Matt earns when https://gofar.gadoe.org/QB/Temp/af3db747-0ece-46f0-8399-ee82c22a41d1/Assessment/source/Content/images/i_m0612111/equm0612111_2.jpg Show your work.

Work:

Answer:  
  
**Part C**  
Matt deposited $311.50 into his account on October 28. After he paid several bills from the account, his account balance was https://gofar.gadoe.org/QB/Temp/af3db747-0ece-46f0-8399-ee82c22a41d1/Assessment/source/Content/images/i_m0612111/equm0612111_3.jpg What was the total amount of the bills he paid that resulted in this balance? Explain your answer.

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Fiona's science class used several bags of microwave popcorn for an experiment. The table of results shows the number of kernels that did not pop into popcorn from each bag.



**Part A**  
What is the interquartile range of the data? Explain your answer.

Work:

**Part B**  
Fiona created the dot plot shown below to represent the data. Does Fiona's dot plot correctly display the data shown in the table? Explain your answer.

