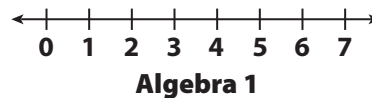


3. Mr. Puccia teaches Algebra 1 and Geometry. He randomly selected 10 students from each class. He asked the students how many hours they spend on math homework in a week. He recorded each set of data in a list. (Lesson 12.3)

**Algebra 1:** 4, 0, 5, 3, 6, 3, 2, 1, 1, 4

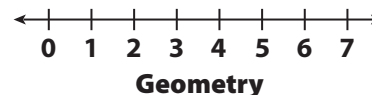
**Geometry:** 7, 3, 5, 6, 5, 3, 5, 3, 6, 5

- a. Make a dot plot for Algebra 1. Then find the mean and the range for Algebra 1.



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- b. Make a dot plot for Geometry. Then find the mean and the range for Geometry.



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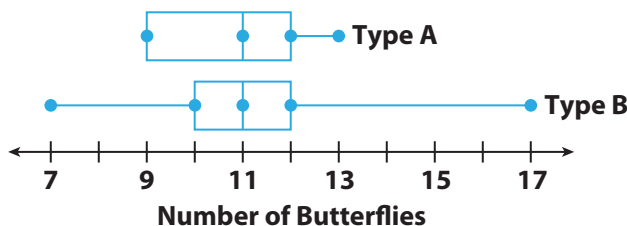
- c. What can you infer about the students in the Algebra 1 class compared to the students in the Geometry class?

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## Unit 6 Performance Tasks

1. **CAREERS IN MATH** **Entomologist** An entomologist is studying how two different types of flowers appeal to butterflies. The box-and-whisker plots show the number of butterflies who visited one of two different types of flowers in a field. The data were collected over a two-week period, for one hour each day.



- a. Find the median, range, and interquartile range for each data set.

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- b. Which measure makes it appear that flower type A had a more consistent number of butterfly visits? Which measure makes it appear that flower type B did? If you had to choose one flower as having the more consistent visits, which would you choose? Explain your reasoning.

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