

Name _____

Box Plots



COMMON CORE STANDARD—6.SP.4
Summarize and describe distributions.

Find the median, lower quartile, and upper quartile of the data.

1. the amounts of juice in 12 glasses, in fluid ounces:

11, 8, 4, 9, 12, 14, 9, 16, 15, 11, 10, 7

Order the data from least to greatest: **4, 7, 8, 9, 9, 10, 11, 11, 12, 14, 15, 16**

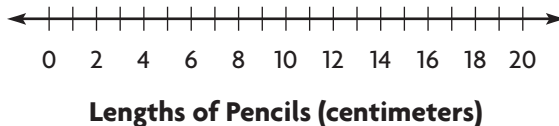
median: 10.5 lower quartile: 8.5 upper quartile: 13

2. the lengths of 10 pencils, in centimeters:

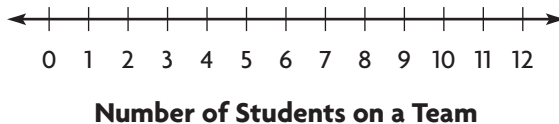
18, 15, 4, 9, 14, 17, 16, 6, 8, 10

median: _____ lower quartile: _____ upper quartile: _____

3. Make a box plot to display the data set in Exercise 2.



4. The numbers of students on several teams are 9, 4, 5, 10, 11, 9, 8, and 6. Make a box plot for the data.



Problem Solving



5. The amounts spent at a gift shop today are \$19, \$30, \$28, \$22, \$20, \$26, and \$26. What is the median? What is the lower quartile?

6. The weights of six puppies in ounces are 8, 5, 7, 5, 6, and 9. What is the upper quartile of the data?