

Number \_\_\_\_\_ Name \_\_\_\_\_ Period \_\_\_\_\_

**Define the following terms:**

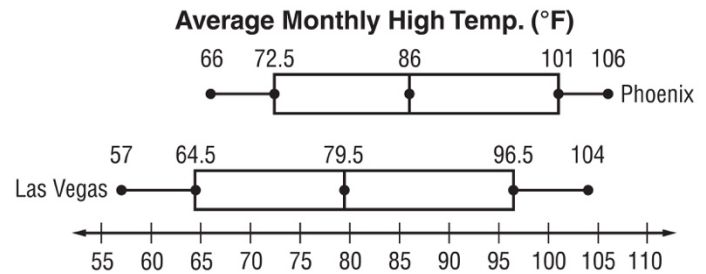
1) Population:

2) Sample:

3) Random Sample:

4) Representative Sample

9) The double box plot shows the average monthly high temperatures for Phoenix, Arizona, and Las Vegas, Nevada.



Find the median and IQR of both box plots

Phoenix: Median

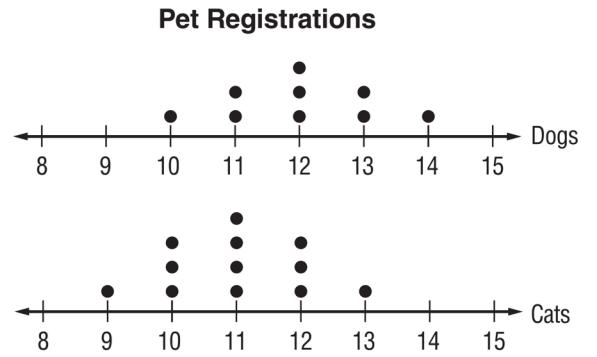
Phoenix: IQR

Las Vegas: Median

Las Vegas: IQR

What can you determine from the data about the average monthly high temperatures of Phoenix and Las Vegas?

10) The double dot plot shows the number of city pet registrations for several days.



<p>Find the mean and MAD from both data sets:</p> <p>Dogs: Mean</p> <p>Dogs: MAD</p> <p>Cats: Mean</p> <p>Cats: MAD</p>	<p>In general, which type of pet has the greater number of registrations? Explain.</p>  <p>Which pet registrations vary the most? How do you know?</p>
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11) Create a dot plot that could represent the box plot shown below.

