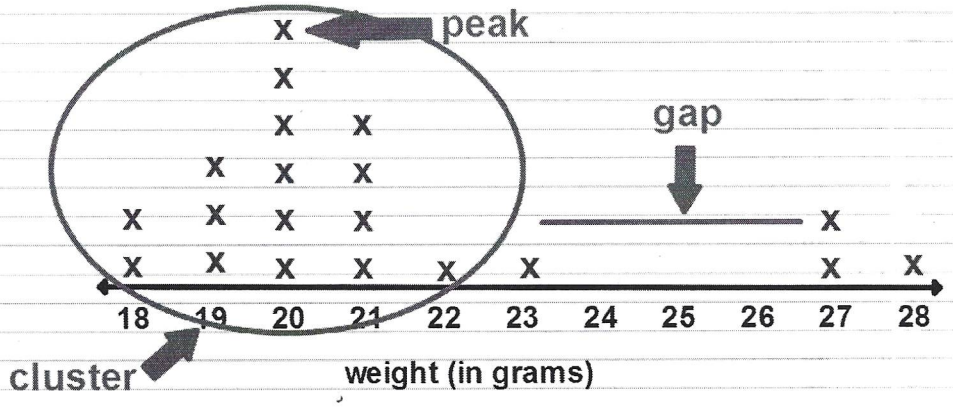
You weigh some mice and record the weights (in grams in the table. Display the data in a dot plot. Identify any clusters, peaks, or gaps in the data.

Weights (in grams)

20	19	21	20
18	20	27	21
28	23	20	19
20	21	18	27
19	22	21	20



Use the distribution of the data to answer the question, "What is the weight of a mouse?"

The weight of a field mouse is about 20 grams.

Complete number 2 on your notes page.

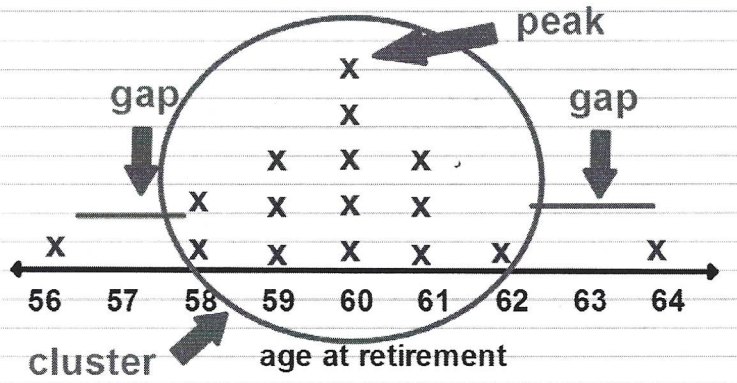
How old are people who retire early?

a) Is this a statistical question? Explain.

This is statistical because people will retire at different ages

b) Display the data in a dot plot. Identify any clusters, peaks, or gaps in the data.

Ages			
60	61	59	60
62	56	64	59
58	60	61	60
59	60	58	61



c) Use the distribution of the data to answer the question.

Most people who retired early were 60 years old.

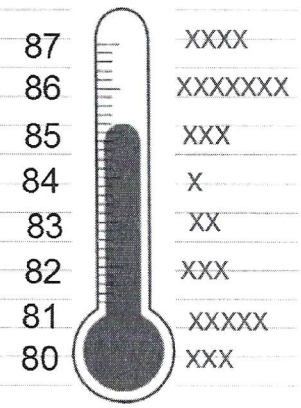
Complete number 3 in your composition book.

3) You record the high temperatures every day while at summer camp in August. Then you create the vertical dot plot.

a. How many weeks were you at summer camp?

4 weeks

(There are 28 x's meaning data was taken for 28 days. 28 divided by 7 days per week = 4 weeks.)



b. How can you collect these data?

Record the temperature every day at the same time and place using a Fahrenheit thermometer.

c. Write a statistical question that you can answer using the dot plot. Then answer the question.

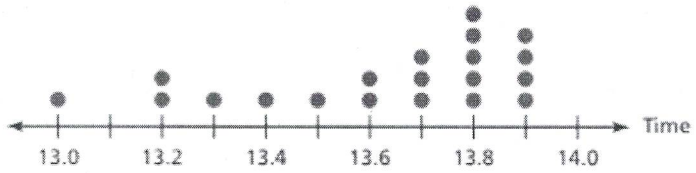
What is the daily high temperature in August?

(The daily high temperatures in August are spread out with about half around 81 degrees F and half around 86 degrees F.)

What temperature is most comfortable for you?

Complete number 3 on your notes page.

3) The dot plot shows the times of sixth grade students in a 100-meter race.



a. How many students ran in the race?

20 students

b. How can you collect these data? What are the units?

Use a stopwatch and record each person's time in seconds and tenths of a second.

c. Write a statistical question that you can answer using the dot plot. Then answer the question.

How fast can a sixth grader run 100 meters?

Most sixth graders can run 100 meters in around 13.8 seconds.