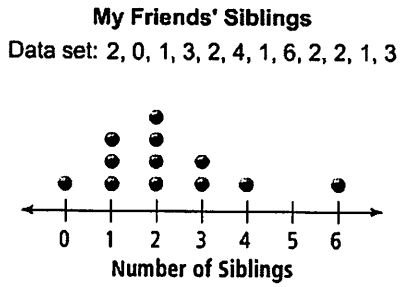
Lesson 15-2: Dot Plots

A **dot plot** shows the shape of a data set by representing each data point as a dot over its corresponding value on a number line.

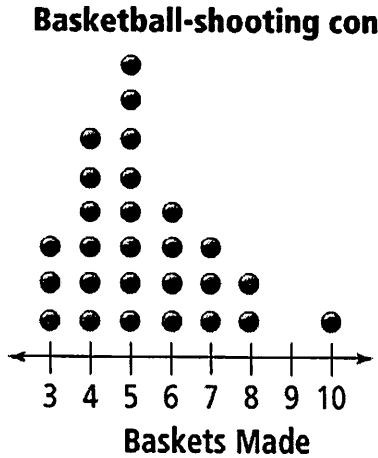


Got It?

Your friends hold a basketball-shooting contest. The person who makes the most baskets in one minute wins. Use the dot plot to answer the questions.

a. How many people made six baskets?

b. How many baskets did the winner make?



Got It?

The list on the right shows the number of books each student in your class read over the summer. Make a dot plot of the data.

0, 3, 6, 2, 0, 2, 3, 5,
1, 4, 2, 4, 2, 0, 1, 1,
5, 4, 5, 8, 2, 3

Books Read This Summer

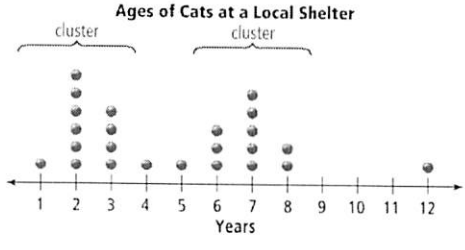
0 1 2 3 4 5 6 7 8

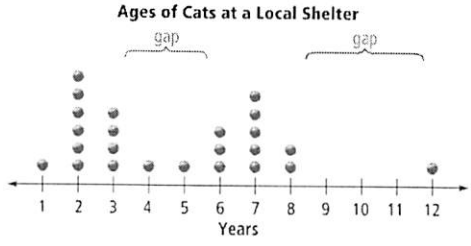
Number of Books

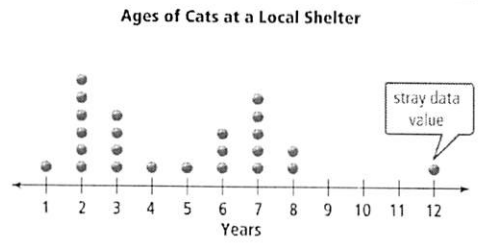
Analyzing a Dot Plot

The **distribution** describes the way the data is spread out over all possible values.

Cluster	**Gap**	**Stray Values**
Areas where most of the dots are stacked	Areas where there are a significantly smaller number of dots	Dots that are located far away from the main data set



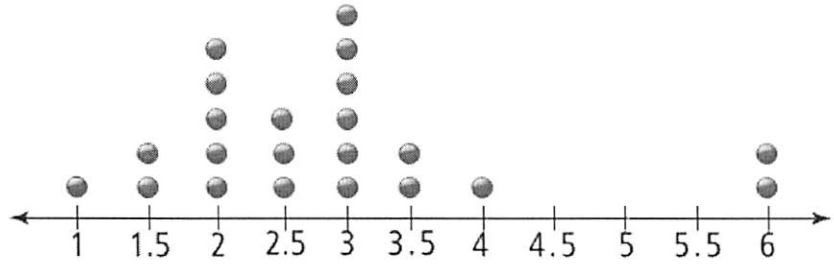




Got It?

The dot plot shows how many hours plant researchers spent in the laboratory last night. Identify the clusters, the gaps, and any data values that stray. What does the plot tell you about how much time researchers spent in the lab?

Time Spent in Laboratory



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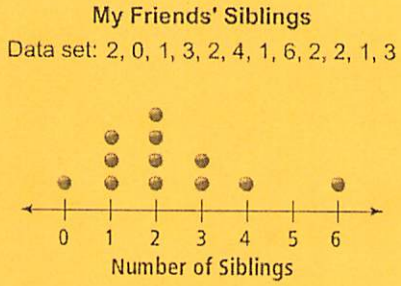
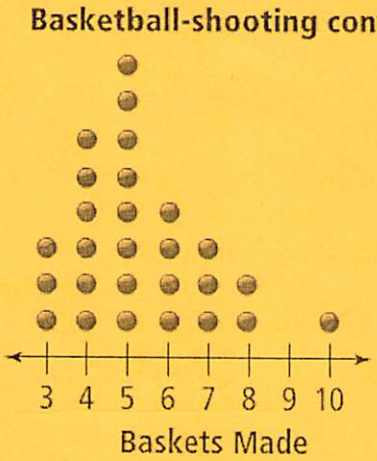


Got It?

Your friends hold a basketball-shooting contest. The person who makes the most baskets in one minute wins. Use the dot plot to answer the questions.

a. How many people made six baskets? 4

b. How many baskets did the winner make? 10



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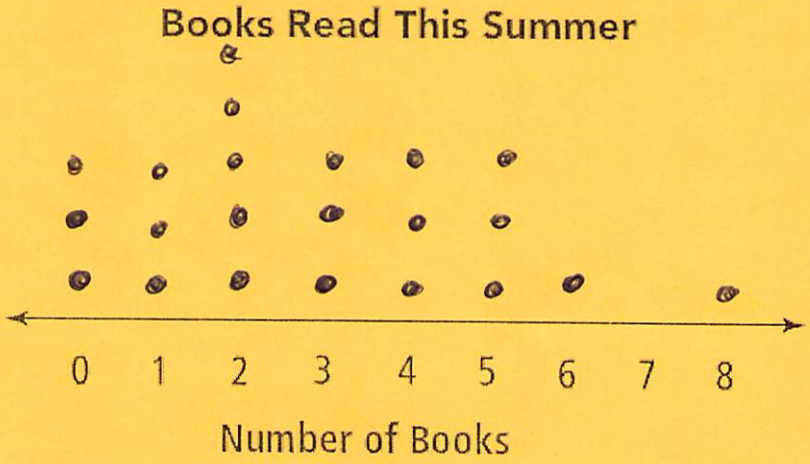

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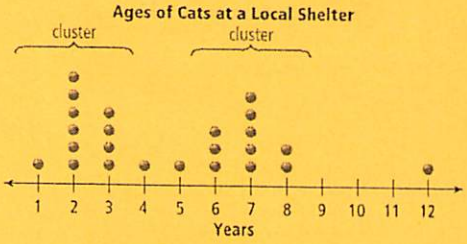

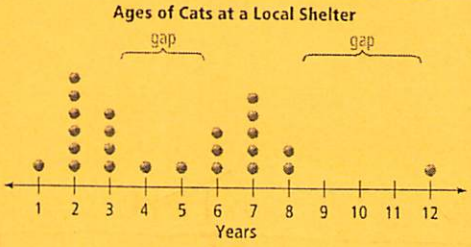

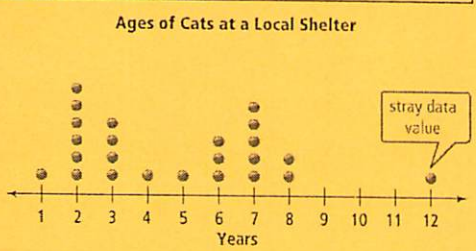

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Time Spent in Laboratory