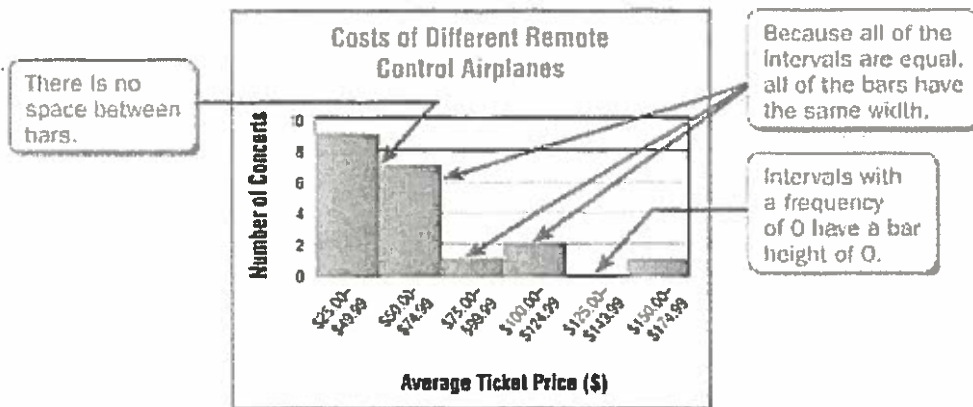


Histograms - a type of bar graph used to display numerical data that has been organized into grouped intervals.

Frequency Distribution - how many pieces of data are in each interval.



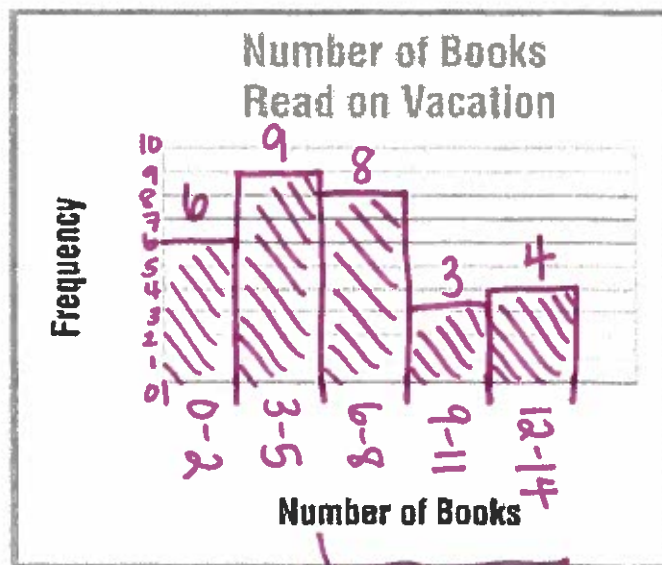
Steps to make Histogram:

1. Make a frequency table to organize the data. Use a scale with an equal interval.
2. Draw and label a horizontal and vertical axis. Include a title. Show the intervals from the frequency table on the horizontal axis. Label the vertical axis to show the frequencies.
3. For each interval, draw a bar whose height is given by the frequencies.

Guided Practice:

The frequency table shows the number of books read on vacation by the students in Mr. Angelo's class.

Number of Books Read		
Books	Tally	Frequency
0-2	HHH I	6
3-5	HHH IIII	9
6-8	HHH III	8
9-11	III	3
12-14	IIII	4



- a. Draw a histogram to represent the data.
- b. Describe the histogram.
 peak - 3-5
 cluster - 0-14
- c. How many students read six or more books?

$8 + 3 + 4 = 15$ students

Building on the Essential Question - Why would you create a frequency table before creating a histogram?

A frequency table shows the frequency for each range. This info is used for the histogram.