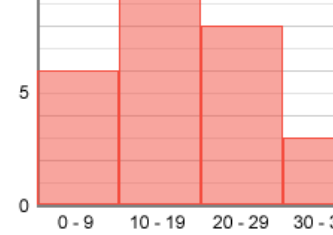


Vocabulary: Stem-and-Leaf Plots



Vocabulary

- **Histogram** – a graph that uses bars or rectangles to show how many data values are in each interval.
 - On a histogram, the x-axis is divided into equal-sized intervals.
 - The frequency of data values in each interval is shown by the height of the bars in the histogram.
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- **Mean** – the sum of all the values in a data set divided by the number of values.
 - For example, the mean of the data set 2, 3, 5, 6 is $\frac{2+3+5+6}{4} = \frac{16}{4} = 4$.
 - **Median** – the middle value in a set of numbers.
 - Before finding the median, all data should be in order from least to greatest.
 - If there is an odd number of values, the median is the middle number.
 - For example, the median of the data set 2, 3, 5, 6, 8 is 5.
 - If there is an even number of values, the median is the mean of the middle two values.
 - For example, the median of the data set 3, 5, 6, 8 is $\frac{5+6}{2} = \frac{11}{2} = 5.5$.
 - **Mode** – the most common value in a data set.
 - For example, the mode of the data set 4, 4, 5, 7, 10 is 4 because 4 is the most common value.
 - **Range** – the difference between the greatest and least value in a data set.
 - For example, the range of the data set 4, 4, 5, 7, 10 is $10 - 4 = 6$.
 - **Stem-and-leaf plot** – a graph that displays each data value as a “leaf” (final digit) next to its “stem” (preceding digits).
 - The stems are written vertically, and the leaves are placed next to the stems.
 - The stem-and-leaf plot shown models the data set 22, 24, 29, 33, 34, 37, 37, 41, 44, 45, 51, 53.
 - For example, “51” is displayed as the leaf (1) next to its stem (5).

Stem-and-leaf plot	
2	2 4 9
3	3 4 7 7
4	1 4 5
5	1 2
Key: 2 2 means 22	