College students were asked how well they did on their first statistics exam. Their scores are shown below.

100, 98, 77, 76, 85, 62, 73, 88, 85, 92, 93, 72, 66, 70, 90, 100

We can use a histogram to represent the data.

- A histogram is a bar-style data display showing frequency of data measured over (1) rather than displaying each individual data value.
- Each interval width must be the 5011.
- Always HHC the graph and Wol both axes.
- Choose the appropriate scale on the y-axis and the appropriate intervals on the x-axis.
- > Histograms are often used for:
 - larger sets of data
 - continuous data

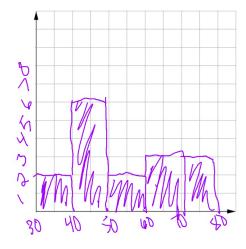
Describe an interval.

A rouge of values

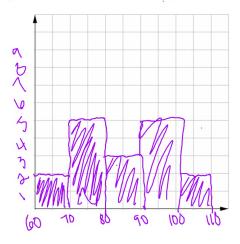
Those same students from our first example were also asked how long in minutes it took them to complete the exam. The data is shown below.

43.2, 44.1, 45.0, 55.7, 64.3, 70.8, 72.1, 32.3, 44.4, 5.4.5,

Construct a histogram to represent the data.



Represent the following students' scores on a histogram.



Determine the sets of data where it would be better to use a histogram instead of a dot plot. Select all that apply.

- Average daily temperatures for Albany, NY over a year
- ☐ Daily temperatures for Albany, NY over a month ☐ The results of rolling two dice over and over
- Height of high school football players statewide
- Finishing times of 125 randomly selected athletes for a 100-meter race

 Last year, the local men's basketball team had a great season. The total points scored by the team for each of the 20 games are listed below:

45, 46, 46, 52, 53, 58, 55, 56, 57, 58, 62, 62, 64, 64, 65, 67, 67, 76, 76, 89

Create a frequency table, and construct a histogram of the data.