

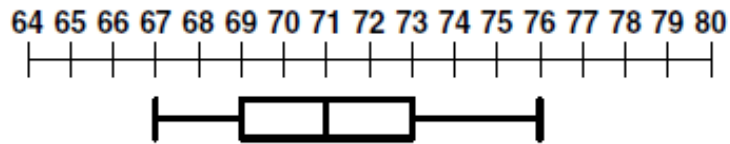
Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Learning Target:** I can organize and represent data using tables, dot plots, line plots, bar graphs, histograms and box plots.

Do Now

**Directions:** Answer the following question using the box plot.

Alberto made the box-and-whisker graph of the heights (in inches) of the members of his basketball team.



What is the range of heights of the team members?

- F 16 in.
- G 9 in.
- H 4 in.
- J 2 in.

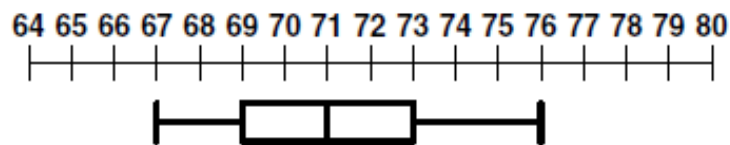
Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Learning Target:** I can organize and represent data using tables, dot plots, line plots, bar graphs, histograms and box plots.

Do Now

**Directions:** Answer the following question using the box plot.

Alberto made the box-and-whisker graph of the heights (in inches) of the members of his basketball team.



What is the range of heights of the team members?

- F 16 in.
- G 9 in.
- H 4 in.
- J 2 in.

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Learning Target:** I can organize and represent data using tables, dot plots, line plots, bar graphs, histograms and box plots.

**Video Notes:**

What is the x-axis in a histogram? \_\_\_\_\_

In a histogram the intervals are always of \_\_\_\_\_ size.

What is the y-axis in a histogram? \_\_\_\_\_

What does the height of a bar in a histogram represent? \_\_\_\_\_

The bars in a histogram will always \_\_\_\_\_

-----

**Follow up questions:**

What is difference between the bars in a bar graph and a histogram? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

When is it appropriate to have a gap between bars on a histogram? \_\_\_\_\_

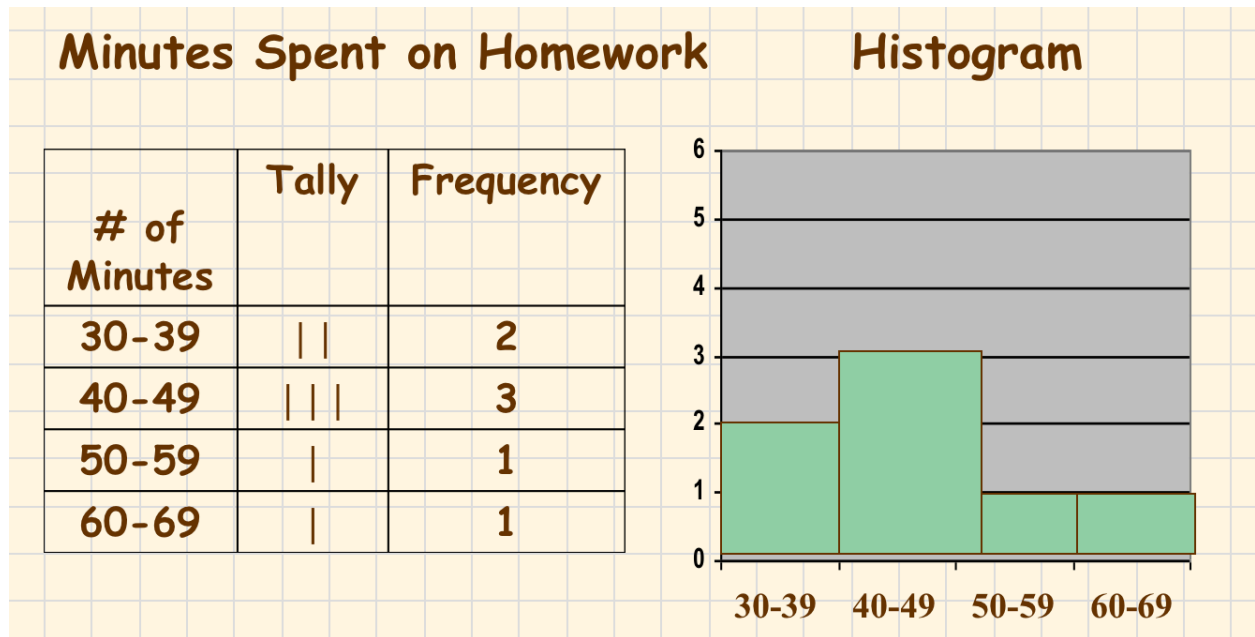
\_\_\_\_\_  
\_\_\_\_\_

A **histogram** is a type of graph that shows data in the form of a picture.

**Data** is facts and statistics collected to analyze or reference. When data is collected, no matter what type of data that is, it's most often put into a graph so we can visually see what the numbers are saying.

A histogram is very similar to a bar graph. The main difference between the two is that a **bar graph** has a single value that names each bar, and a histogram has a **range** of numbers that name each bar.

Example:



What is measures can we determine from a histogram? \_\_\_\_\_

How is a histogram different from a box plot? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_