

Grade 6 Mathematics Unit Preview Quarter 4: Statistics

Objectives: (Your student will be able to)

- **Organize and display data through tables (frequency tables), single and double bar graphs, line plots, single and double line graphs, stem-and-leaf plots, and back-to-back stem and leaf plots.**
- **Interpret the data from a double bar graph.**
- **Organize and display data using a histogram.**

Vocabulary: (Words your student will need to understand)

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| • Back-to-back stem and leaf plot: A stem and leaf plot with leaves on both sides. | • Bar graph: A graph that uses horizontal or vertical bars to display data. |
| • Cluster: Data that are grouped together. | • Data point: One specific piece of data. |
| • Double bar graph: A graph that uses pairs of bars to compare and show the relationship between data. | • Double line graph: A graph that uses pairs of lines that show change over time to represent and compare data. |
| • Frequency table: A table that shows the total for each category or group. | • Histogram: A bar graph that shows the number of times data occur within certain ranges or intervals. |
| • Interval: A set containing all numbers between two given numbers (the endpoints) and one endpoint, both endpoints, or neither endpoint. | • Line graph: A graph that uses a line to show how data changes over time. |
| • Line plot: A graph that shows frequency of data along a number line. | • Outlier: A data value that stands out from others in a set. |
| • Range: The difference between the greatest and least numbers in a set of data. | • Stem and leaf plot: A data display that shows groups of data displayed by place value. |

Activities to do with your student (in addition to homework, optional):

- Find different graphs in newspapers, magazines, and on the internet. Discuss what the graphs represent.

