Graphs: When or Why do we use Them?
Teacher Guide

Type of Graph	When or why do we choose it?
Bar Graph	For comparing statistics in categories
Box-and-Whisker Plot	Divides data into four parts by using the median and upper and lower quartiles The box represents middle 50% of data
Circle Graphs	Shows parts of a whole by displaying sections of a circle
Histograms	Shows frequency of intervals of values Bars are not spaced
Line Graphs	Usually used for continuous data Shows change over time
Line Plots	The horizontal axis is a number line One X is used to display one data point on the number line X's are stacked to compare
Scatterplots	Compares two sets of data Two data sets of the same length are plotted as ordered pairs (x, y)
Stem-and-Leaf Plots	Helpful in ordering data points Uses place value to represent the stems and leaves
Venn Diagrams	Shows relationships between sets Uses intersecting and non-intersecting shapes