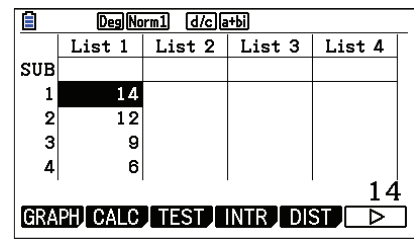
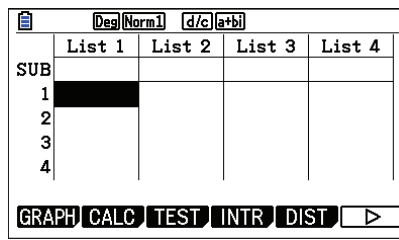
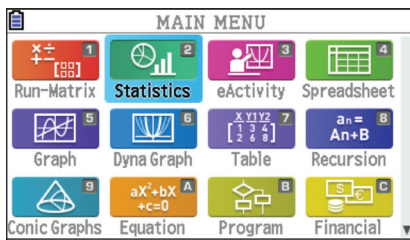


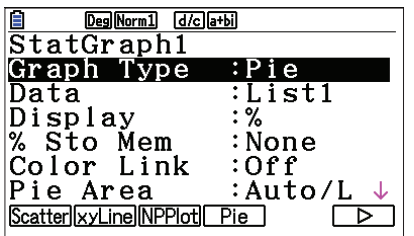
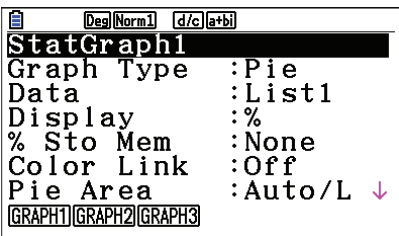
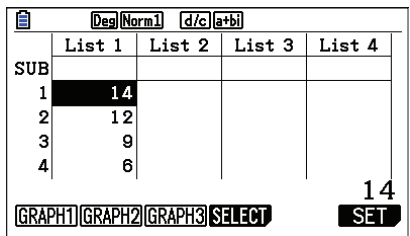
1. Suppose one of the questions asked on a survey was “What type of pet do you have?”, and the results from 50 people are shown in this table. Construct a pie chart and a bar chart of these data.

Pet Category	Dog	Cat	Fish	Bird	Other	None
Frequency	14	12	9	6	4	5

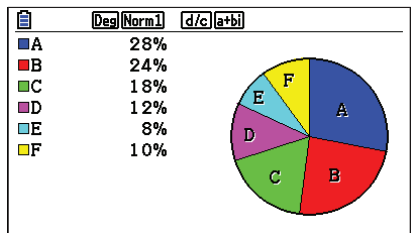
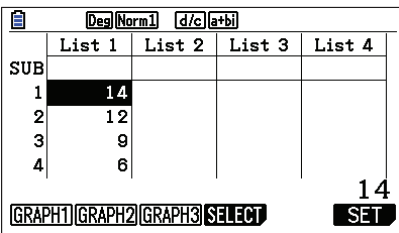
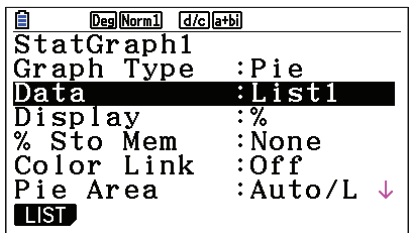
From the Main Menu, press **[2]**. The list editor opens. Enter the values in the table in **List 1**, pressing **[EXE]** after each value.



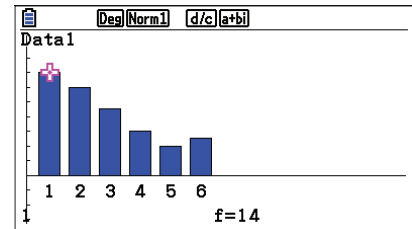
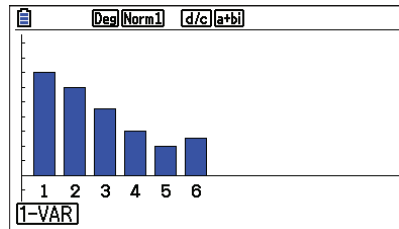
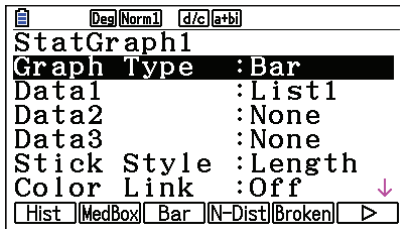
To construct a graph, press **[F1]** (GRAPH). Then, press **[F6]** (SET). Scroll to **Graph Type** and select **[F4]** (Pie).



If necessary, scroll to **Data** and change to **List1**. **Display** can be used to select percentages or counts with the chart. Press **[EXIT]** and **[F1]** (GRAPH1). The color and shading of plots can be changed by using **[SHIFT]** **[5]** (**FORMAT**).



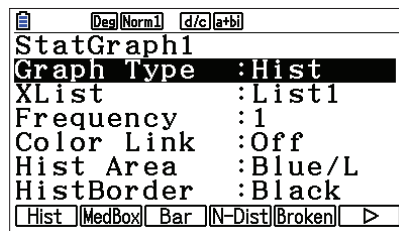
To change to a bar chart, press **EXIT** **F6** (SET) **F6** (\triangleright) **F3** (Bar). Press **EXIT** **F1** (GRAPH1) to view the bar chart.
To display the frequencies, press **SHIFT** **F1** (Trace).



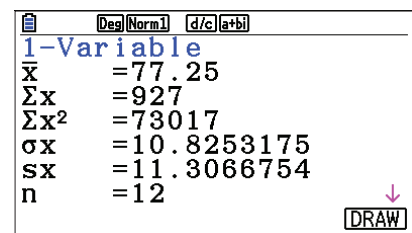
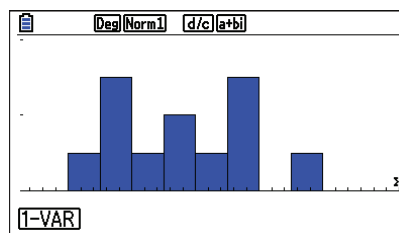
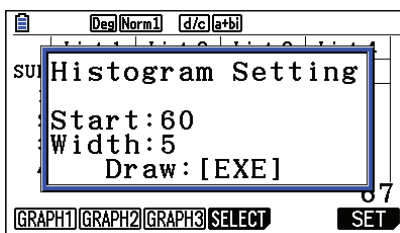
2. The number of games won (out of 162) by a certain baseball team for the years 2002 – 2013 are shown in the table. Construct a histogram and a boxplot for these data.

67	88	89	79	66	85
97	83	75	71	61	66

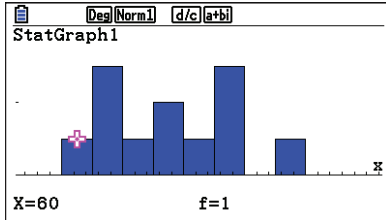
Enter these data in the list editor. To set **StatGraph1** to a histogram, press **F1** (GRAPH) and **F6** (SET).
For **Graph Type**, select **F1** (Hist).



Press **EXIT** **F1** (GRAPH1). Select **Start** and **Width** values to determine the rectangles that will be plotted.
Press **F1** (1-VAR) to see the statistical analysis of the data.



Press **F6** (DRAW) to return to the plot. To display the frequencies, press **SHIFT** **F1** (**Trace**).



To change to a box-and-whisker plot (boxplot or median box plot), press **EXIT** **F6** (SET). Scroll to **Graph Type** and press **F2** (MedBox). Press **EXIT** **F1** (GRAPH1). To display the minimum, maximum, and quartiles, press **SHIFT** **F1** (**Trace**). Use **▶** to display the next value.

