Chapter 5 / **Example 3**

Drawing a frequency histogram

The weights of 50 baby chicks hatched in one week were recorded in the table below.

a Organize the data in a table by grouping the data into classes of equal width.

b Draw a frequency histogram to represent the data.

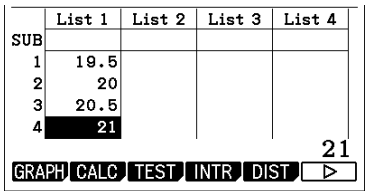
22.4	20.0	23.3	25.2	24.1	23.6	19.7	21.3	24.0	24.7
23.6	22.3	21.4	22.4	23.9	25.0	22.2	23.5	21.9	23.0
24.3	21.6	19.9	21.2	23.5	24.6	23.5	19.9	20.2	20.3
23.0	24.6	23.5	22.5	23.0	24.5	24.9	21.3	20.5	20.4
21.4	22.4	23.6	24.5	23.4	22.9	23.8	24.6	21.0	21.3

Press MENU 2 STAT to display the List Editor screen.

Type the lower values of each of the class intervals in the first column. Type 19.5, 20.5, 20.5, …

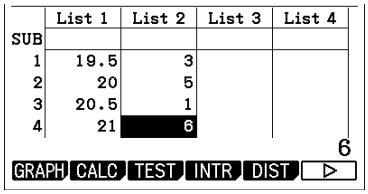
Press EXE after each number to move to the next cell.

Note: *If the list contains other numbers, you can clear it by pressing* F4 DEL-ALL.



Press ▶ to move to the next column.

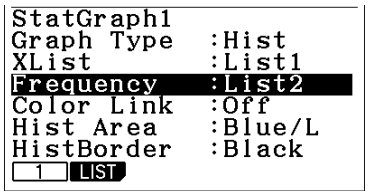
Enter the frequencies of each of the weights in the second column.



Press F1 GRAPH.

Press F6 .SET

Choose Graph Type: F6 ▷ F1 Hist, XList: List1 and Frequency: List2 (press F2 type 2 and press EXE).

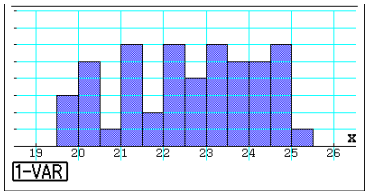


Press EXIT.

Press F1 GRAPH1.

Set Start to 19.5 and Width to 0.5 and press EXE.

The GDC displays a histogram of the data.



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