

## Constructions

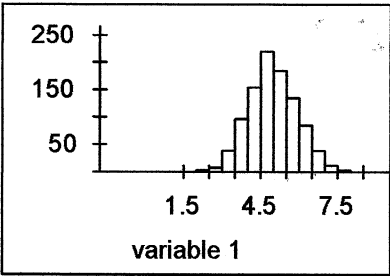
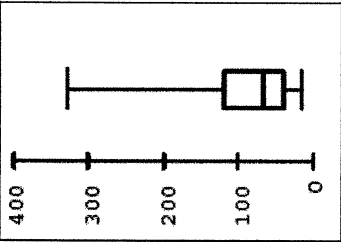
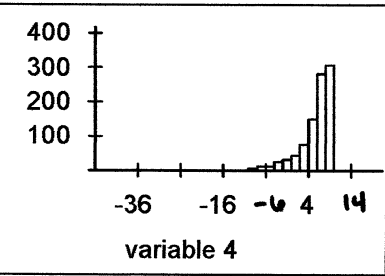
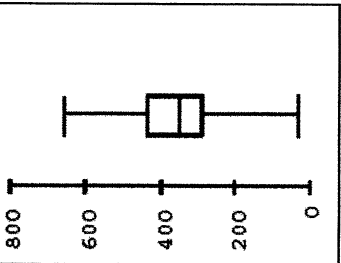
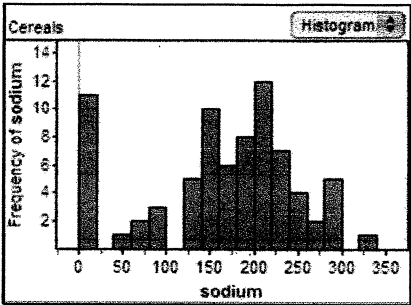
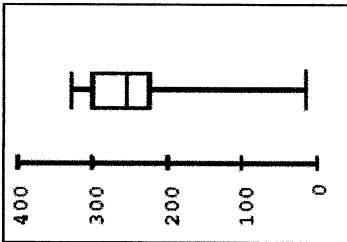
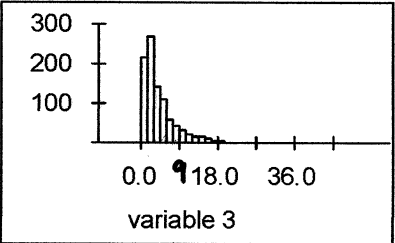
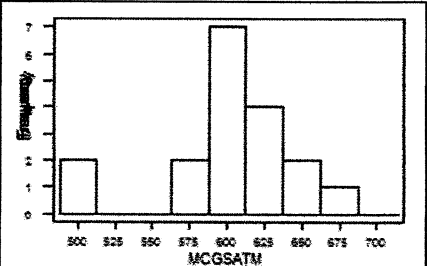
—On a separate sheet of paper draw the following

35. Find the five-number summary. Draw a box plot of the following data set. Make sure to check for outliers. {-34, 2, 11, 30, -4, 29, 5, 24, 8, 10, 5, 10, 2, 12, 5, 15, 20, 23, 25, 10, 25, 29, -1, 30, 0, 6, 30, 15, 5, 26, 52, 17}
36. Find the five-number summary. Draw a box plot of the following data set. Make sure to check for outliers. {35, 45, 42, 41, 25, 36, 27, 41, 34, 73, 26, 58, 29, 20, 28, 35, 48, 43, 42, 45}.
37. Find the five-number summary. Draw a box plot of the following data set. Make sure to check for outliers. {78, 70, 71, 25, 115, 60, 65, 64, 68, 84, 12, 50, 90, 120, 47, 88}.
38. Find the five-number summary. Draw a box plot of the following data set. Make sure to check for outliers. {2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 80}.

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## Overall Pattern

—Describe the SCSO of each of these graphical displays.

39.  **S** Symmetric  
**C** at 5.0  
**S** 2 to 8  
**O** none
40.  **S** left skewed  
**C** 90  
**S** 10 to 320  
**O** none
41.  **S** left skewed  
**C** b/w 4 and 14  
**S** -10 to 10  
**O** none
42.  **S** Symmetric  
**C** 360  
**S** 30 to 650  
**O** none
43.  **S** bimodal  
**C** 175 - 200  
**S** 0 to 330  
**O** none
44.  **S** right skewed  
**C** 260  
**S** 0 to 320  
**O** none
45.  **S** right skewed  
**C** 3-6  
**S** 0 to 20  
**O** none
46.  **S** Symmetric  
**C** 600  
**S** 300 - 675  
**O** yes; 300