100.20

|LEISON | Practice B

Data Distributions

Find the seam, median, mode, and range of each data set.

1, 22, 45, 30, 16, 22,

2. 8. 10. 8. 14. 6. 15.

3, 1.25, 0.5, 3.25, 0.76, 1.76

4, 95, 92, 98, 93, 94, 95, 93,

identify the outlier in each data set, and determine how the outlier affects the mean, median, mode, and range of the data.

5, 31, 35, 41, 40, 40, 98,

- 6, 82, 24, 100, 96, 79, 93, 66
- The amounts of Cettry's last six circling purchases were \$109, \$72, \$99, \$15, \$99, and \$89. For each question, choose the mean, median, or mode, and give its value.
 - a. Which value describes the average of Catty's aurchases?
 - b. Which value would Cathy tell her perents to convince them that she is not spending too much money on clothes? Explain.
 - c. Which value would Cathy tell her parents to convince their that she needs an increase in her allowence? Explain.

Use the data to reaks a box-and-whisker plot.

- 4. 71, 79, 56, 24, 35, 37, 81, 53, 75
- 9, 210, 195, 350, 250, 260, 500

The finishing times of two runners for several one-rolle races, in minutes, are shown in the box-and-whister plots.

- 10. Who has the faster median time?
- normal + + +•

- 11. Who has the stowest time? _
- 52. Overall, who is the faster runner? Explain.



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