

Self-Check 2.1, 2.2

Name: _____ Date: _____ Row: _____

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1. For the Park City basketball team, scores for the last 30 games were as follows (smallest to largest): 32; 32; 33; 34; 38; 40; 42; 42; 43; 44; 46; 47; 47; 48; 48; 48; 49; 50; 50; 51; 52; 52; 52; 53; 54; 56; 57; 57; 60; 61. Construct a stem plot for the data.
2. The population in Park City is made up of children, working-age adults, and retirees. The frequency table below shows the three age groups, the number of people in the town from each age group, and the proportion (%) of people in each age group. Construct a bar graph showing the proportions.

Age groups	Number of people	Proportion of population
Children	67,059	19%
Working-age adults	152,198	43%
Retirees	131,662	38%

3. The following data represent the number of employees at various restaurants in New York City. 22; 35; 15; 26; 40; 28; 18; 20; 25; 34; 39; 42; 24; 22; 19; 27; 22; 34; 40; 20; 38; and 28. Using this data, create a frequency table. Beginning with a lower class limit of 10 and a class width of 10. Also include the relative frequency.

Number of Employees	Frequency	Relative Frequency

4. Construct a histogram using class boundaries and frequency.
5. Construct a histogram using class midpoints and relative frequency.

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