

Chapter 10 Review

Heirloom Math

Use information about your family to complete the following.

1. Start by making an organized list of the names and ages of at least ten people in your immediate or extended family.
2. Make a stem-and-leaf plot of your data. Find the range, median, upper and lower quartiles, and the interquartile range for your data.
3. Now make a box-and-whisker plot of your data. List any outliers.
4. Refer to your data in Exercises 1—3. Which of these representations do you think best models your data and why?
5. Suppose your family is drawing names to exchange gifts. Each of the names in your data set are put into a hat.
 - a. What is the probability of drawing the name of a person who is between 10 and 20 years old?
 - b. What are the odds of drawing the name of a person who is older than 40?
 - c. What is the probability that the first name drawn is yours?
 - d. How many ways can the first three names be drawn?

Answers are located on page 139.