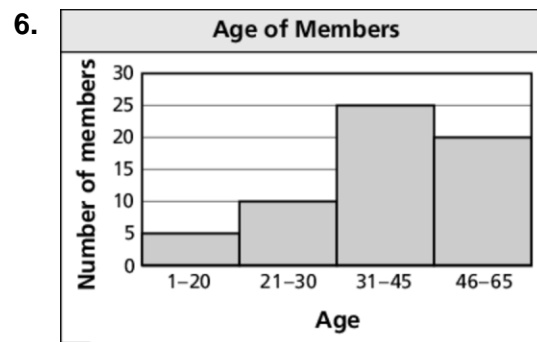
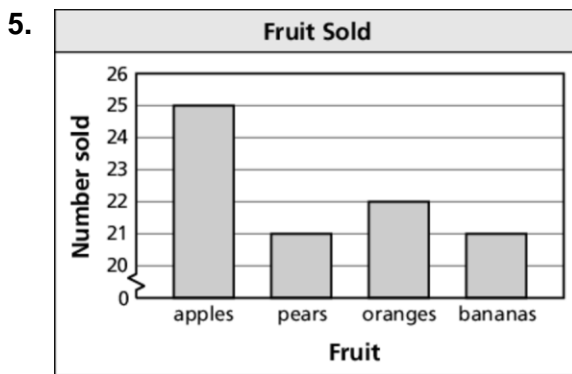


9.4 Practice A

Choose an appropriate data display for the situation. Explain your reasoning.

- the price of a stock over the last 5 years
- the numbers of breads, rolls, muffins, and cookies baked this week
- the number of runners in each 10-year age bracket
- the comparison of city population and the number of fire stations

Explain why the data set is misleading.



- An EMT wants to use a data display to show students the relationship between the speed of the vehicle and the number of accidents. Choose an appropriate data display for the situation. Explain your reasoning.
- What type of data display is appropriate for showing the averages of data over a period of time?
- The home insurance industry wants to use a data display to show the variability in the costs of insurance for a \$200,000 home. Choose an appropriate data display for the situation. Explain your reasoning.
- A nutritionist wants to use a data display to show kindergarteners the recommended amounts of fruits, vegetables, breads, meats, and dairy that should be consumed each day. Choose an appropriate data display for the situation. Explain your reasoning.
- The Smithsonian has been collecting data over the last 60 days. They want to use a data display to both put the data in order and to display how the data is distributed. Choose an appropriate data display for the situation. Explain your reasoning.

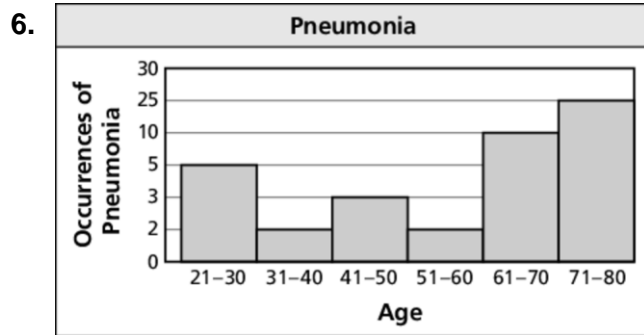
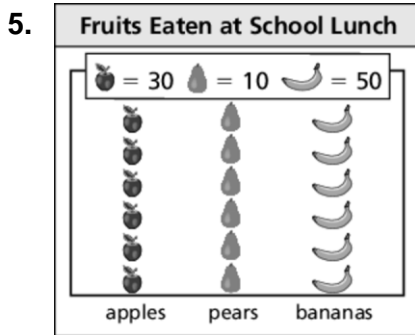
9.4

Practice B

Choose an appropriate data display for the situation. Explain your reasoning.

1. the heights of girls in grades 6 through 12
2. the numbers of computers offered within \$100 price ranges
3. the comparison of the number of students and the number of office staff
4. the percentages of income budgeted for food, utilities, housing, gas, and education

Explain why the data set is misleading.



7. You spin a spinner 20 times and want to use a data display to show the number of times each of the numbers 1 through 5 occurs. Choose an appropriate data display for the situation. Explain your reasoning.
8. What type of data display is appropriate for showing the median of the data values?
9. A professor wants to use a data display to show the relationship between class sizes and passing rates for college students. Choose an appropriate data display for the situation. Explain your reasoning.
10. A dentist wants to use a data display to show the percentages of clients using different types of toothbrushes. Choose an appropriate data display for the situation. Explain your reasoning.
11. The new executive was making a presentation to the Board of Directors. He used a pictograph to show the weekly profits made by his department during the last 3 months.
 - a. Explain why this would be an inappropriate use of a data display.
 - b. Choose an appropriate data display for his situation.