

Graphs Review

1. A track and field coach records the events his track team members are competing in this week.

Track and Field Events			
relay	sprint	relay	hurdles
hurdles	sprint	relay	relay
hurdles	relay	sprint	hurdles
relay	hurdle	sprint	relay

The coach makes a frequency table of the data. What is the frequency of team members in the relay race?

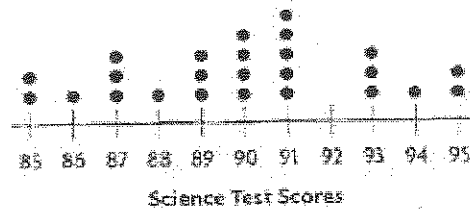
2. Daniel tracked the weather for two months. He recorded the data on a frequency table.

Weather in April and May	
Type of Weather	Frequency
Cloudy	14
Rainy	18
Sunny	29

How many more days were either sunny or cloudy than were rainy?

- a. 42
- b. 16
- c. 25
- d. 11

Use the dot plot for 3-4.



3. What is the range of the test scores?
4. How many more students received a score of 90 or less than received a score greater than 90?

Use the stem-and-leaf plot for 5-6.

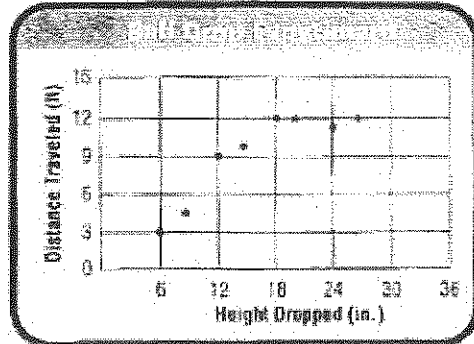
The distance Clea biked weekly, in miles, are 49, 31, 36, 41, 28, 44, 23, 34, 32, 33, and 25. The stem-and-leaf plot shows some of the data.

Stem	Leaf
2	?
3	1 2 3 4 5
4	1 4 9

5. What are the leaves for stem 2?

6. Clea finds the total number of miles she biked in the weeks she biked more than 40 miles. Next month she plans to bike twice as many miles as that total. How many miles does Clea plan to bike next month?
 - a. 180 miles
 - b. 134 miles
 - c. 90 miles
 - d. 268 miles

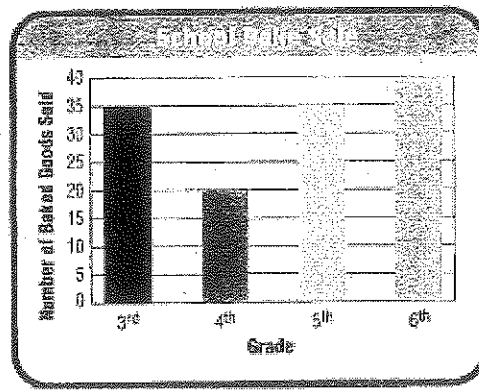
Use the scatter plot for 7-8.



7. Which ordered pair appears to represent a point on the scatter plot?
 - a. (3,6)
 - b. (10, 15)
 - c. (6,3)
 - d. (12,21)

8. Which best describes the scatter plot?
 - a. The farther the ball travels, the shorter the distance it was dropped from.
 - b. The shorter the distance the ball travels, the greater the height it is dropped from.
 - c. The greater the height the ball is dropped from, the farther it travels.
 - d. The height the ball is dropped from does not affect the distance it travels.

Use the bar graph for 9-10.



9. Ten fewer baked goods were sold by 2nd grade students than by 3rd grade students. How many baked goods were sold by 2nd grade students?
10. Each item at the bake sale sold for \$2. How much more money was made by the 6th grade students than by the 4th grade students?
- \$80
 - \$20
 - \$40
 - \$10

Use the table for 11-12.

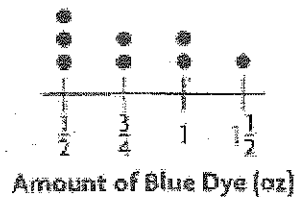
Distance Biked (miles)	8	4	2	10	8	6
Amount of Water (cups)	16	10	6	20	14	10

11. Which is the best scale for both the x-axis and the y-axis in a scatter plot of the data?
- 2
 - 10
 - 7
 - 20
12. Which ordered pair would be plotted on a scatter plot of the data in the table?
- (8,14)
 - (4,4)
 - (14,10)
 - (8,2)

Use the stem-and-leaf plot for 13-14.

Stem	Leaf
3	0 1 3 3 5
4	1 2 4 4 4 5 6 9
5	0 1 2 3 8
6	2 4 7

13. How many more players scored 35 or fewer points than scored more than 60 points?
- 5
 - 7
 - 2
 - 8
14. The team donated \$100 to a charity for each point above 60 points scored by a single player in a season. How much did the team donate to the charity in all?
15. A painter mixes red dye in several cups to make different colors to paint. The dot plot shows the amounts of red dye used in each cup.



How many ounces of red dye are used in all?

- $6\frac{1}{2}$ ounces
 - 4 ounces
 - $3\frac{3}{4}$ ounces
 - 5 ounces
16. Which statement about the data shown in the scatter plot to the right is true?
- As the temperature increases, hot chocolate sales increase.
 - As the temperature decreases, hot chocolate sales increase.
 - As the temperature increases, hot chocolate sales stay the same.
 - As the temperature decreases, hot chocolate sales decrease.

