Blood Drive The honor society at a local high school sponsors a blood drive. High school juniors and seniors who weigh over 110 pounds may donate. The table at the right indicates the frequency of each donor blood type.
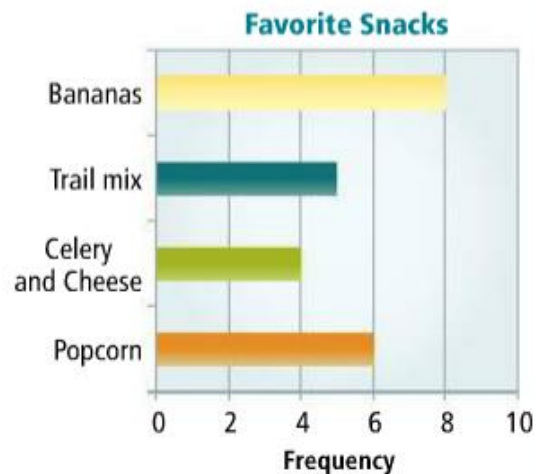
See Problem 1.

Blood Drive Results

Blood Type	Frequency
O	30
A	25
B	6
AB	2

8. What is the relative frequency of blood type AB?

9. What is the relative frequency of blood type A?

10. Which blood type has the highest relative frequency? What is the relative frequency for this blood type?

11. The blood drive is extended for a second day, and the frequency doubles for each blood type. Does the relative frequency for each blood type change? Explain.

Twenty-three preschoolers were asked what their favorite snacks are. The results are shown in the bar graph at the right.

13. What is the probability that a preschooler chosen at random chose popcorn as his or her favorite snack?

14. What is the probability that a preschooler chosen at random did not choose bananas as his or her favorite snack?

15. What is the probability distribution for the data in the graph?

16. Reasoning The possible outcomes for a spinner are

Favorite Snacks

18. Computers The results of a survey of 80 households in Westville are shown at the right.
  a. What is the probability distribution of the number of computers in Westville households?
  b. If Westville has 15,200 households, predict the number of households that will have exactly 3 computers.
  c. How many households will have either two or three computers?

19. Think About a Plan You can make a probability distribution table for theoretical probabilities. What is a probability distribution for four tosses of a single coin?
  • What are all of the possible outcomes?
  • What is the probability of each outcome?

Computer Survey

Number of Computers	Frequency
0	12
1	29
2	31
3	6
More than 3	2