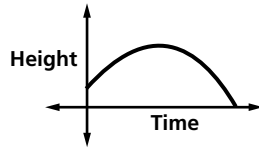


1-8

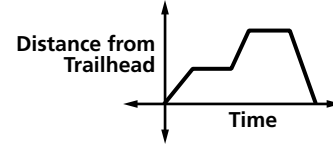
Skills Practice

Graphs and Functions

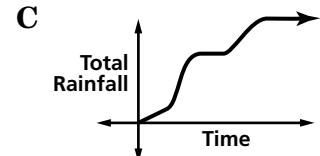
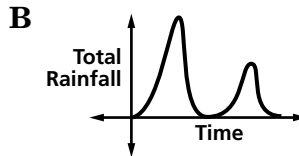
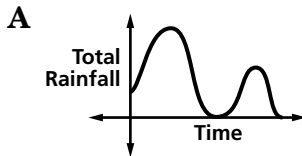
1. The graph below represents the path of a football thrown in the air. Describe what is happening in the graph.



2. The graph below represents a puppy exploring a trail. Describe what is happening in the graph.



3. **WEATHER** During a storm, it rained lightly for a while, then poured heavily, and then stopped for a while. Then it rained moderately for a while before finally ending. Which graph represents this situation?



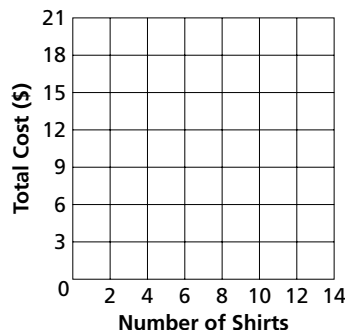
LAUNDRY For Exercises 4–7, use the table that shows the charges for washing and pressing shirts at a cleaners.

Number of Shirts	2	4	6	8	10	12
Total Cost (\$)	3	6	9	12	15	18

4. Identify the independent and dependent variables.

5. Write the ordered pairs the table represents.

6. Draw a graph of the data.



7. Use the data to predict the cost for washing and pressing 16 shirts.

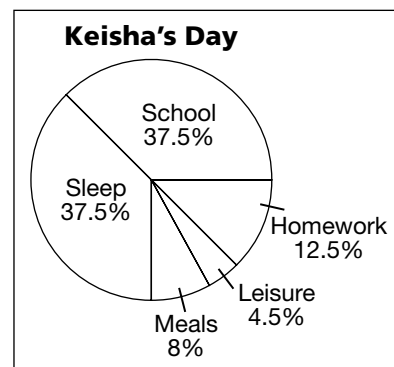
1-9

Skills Practice

Statistics: Analyzing Data by Using Tables and Graphs

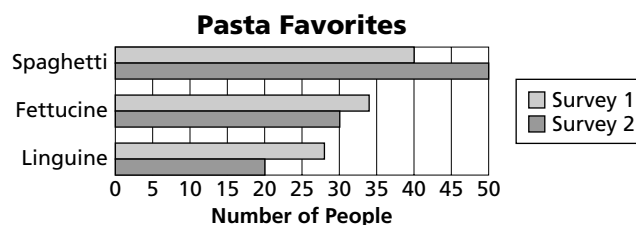
DAILY LIFE For Exercises 1–3, use the circle graph that shows the percent of time Keisha spends on activities in a 24-hour day.

1. What percent of her day does Keisha spend in the combined activities of school and doing homework?
2. How many hours per day does Keisha spend at school?
3. How many hours does Keisha spend on leisure and meals?



PASTA FAVORITES For Exercises 4–8, use the table and bar graph that show the results of two surveys asking people their favorite type of pasta.

	Spaghetti	Fettuccine	Linguine
Survey 1	40	34	28
Survey 2	50	30	20



4. According to the graph, what is the ranking for favorite pasta in both surveys?
5. In Survey 1, the number of votes for spaghetti is twice the number of votes for which pasta in Survey 2?
6. How many more people preferred spaghetti in Survey 2 than preferred spaghetti in Survey 1?
7. How many more people preferred fettuccine to linguine in Survey 1?
8. If you want to know the exact number of people who preferred spaghetti over linguine in Survey 1, which is a better source, the table or the graph? Explain.

PLANT GROWTH For Exercises 9 and 10, use the line graph that shows the growth of a Ponderosa pine over 5 years.

9. Explain how the graph misrepresents the data.
10. How can the graph be redrawn so that it is not misleading?

