

Name

6-1B

Lesson Master

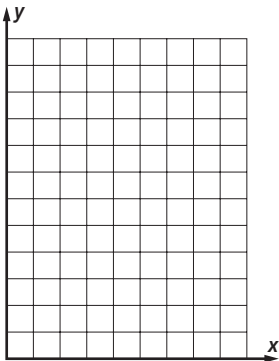
Questions on SPUR Objectives
See pages 392–395 for objectives.

USES

Objective E

In 1–5, use the chart showing the percent of households that had a computer.

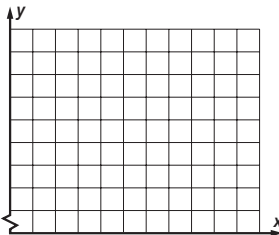
Year	1989	1993	1997	2001
Percent of Households	15.0	22.8	36.6	56.3



1. Make a line graph for the number of households that had a computer from 1989 to 2001.
2. In which 4-year time period is the increase in the percent of households that had a computer the greatest?
3. What is the rate of change of the percent of households that had a computer from 1993 to 2001?
4. Which is steeper, the segment joining (1989, 15.0) to (1993, 22.8) or the segment joining (1993, 22.8) to (1997, 36.6)?

In 5–8, use the chart showing the average cost per compact disc.

Year	1992	1994	1996	1998	2000
Average Cost	\$13.07	\$12.78	\$12.75	\$13.48	\$14.02



5. Make a line graph for the average cost per compact disc.
6. Identify all two-year time periods where the rate of change is negative.
7. What does a negative rate of change represent in this situation?

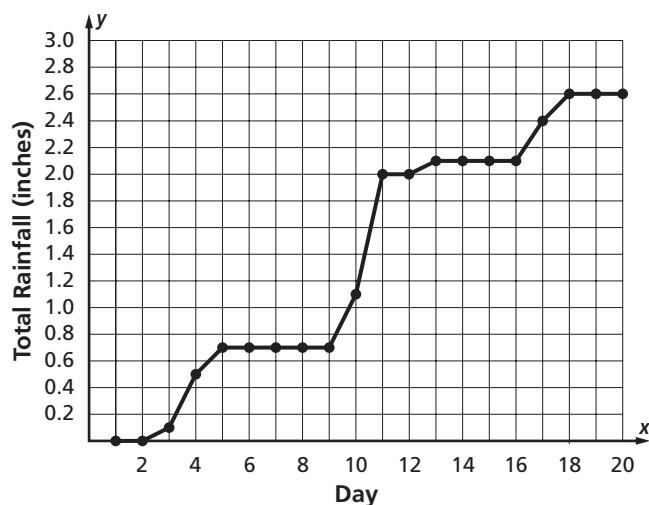
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8. Which two-year time period had the greatest rate of change in the average cost per compact disc? _____

In 9–15, refer to the graph below of the total amount of rain that fell in Lake Zurich, Illinois, for the first 20 days in September, 2006.



9. In which 1-day time period did it rain the most? _____
10. Is the rate of change from day 16 to day 19 positive, negative, or zero? _____
11. What is the rate of change from day 19 to day 20? _____
12. Explain why the rate of change in total rainfall between any two days would not be negative.

13. What was the average rainfall per day for the first 20 days in September? _____
14. Which is steeper, the segment joining (3, 0.1) and (4, 0.5) or the segment joining (9, 0.7) and (10, 1.1)?

15. Between which days was there no change in rainfall? _____