Name: _____

Practice & Problem Solving

Scan for Multimedia

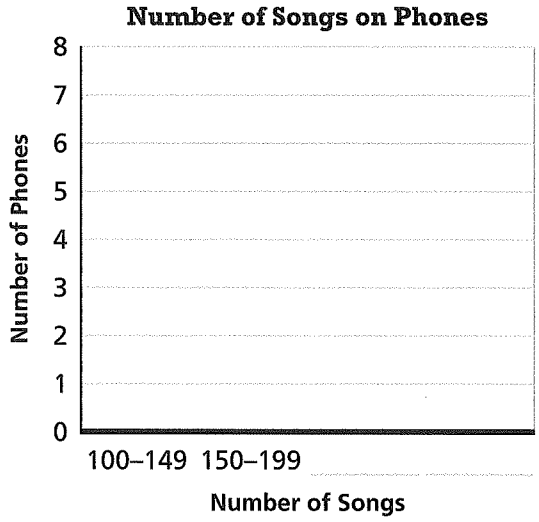
Leveled Practice **In 6–11, use the data in the chart.**

Number of Songs on Phones
125, 289, 115, 203, 192, 178, 256, 248, 165, 233, 147, 209, 225, 184, 156, 201, 143, 125, 263, 210

6. Complete the frequency table below for the number of songs stored on phones.

Song Range	Tally	Frequency
100–149		
150–199		
200–		
–		

7. Use your frequency table to complete the histogram.



8. How many people have between 150 and 199 songs stored on their phones?

9. Do more than half of the phones have fewer than 149 songs stored on them?

10. Is the greatest number of songs stored on phones between 200 and 249 songs?

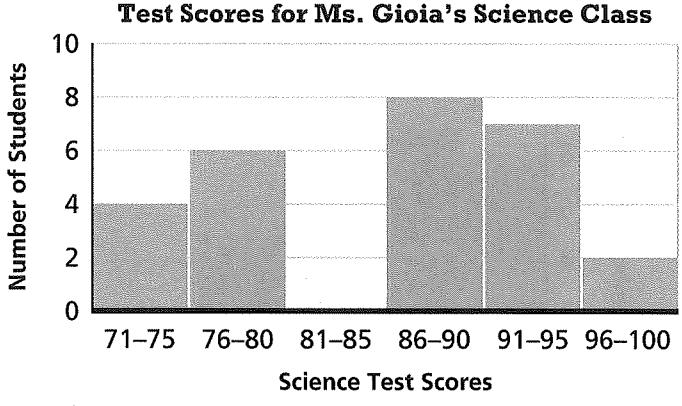
11. Are there more phones that have between 200 and 249 songs stored on them than have between 150 and 199 songs?

In 12–14, use the data in the histogram.

12. How many students in Ms. Gioia's class took the science test?

13. How many more students had scores that were 80 or lower than had scores that were higher than 90?

14. **Be Precise** Can you tell from the histogram how many students scored 83 on the test? Explain.



In 15–17, use the data in the chart.

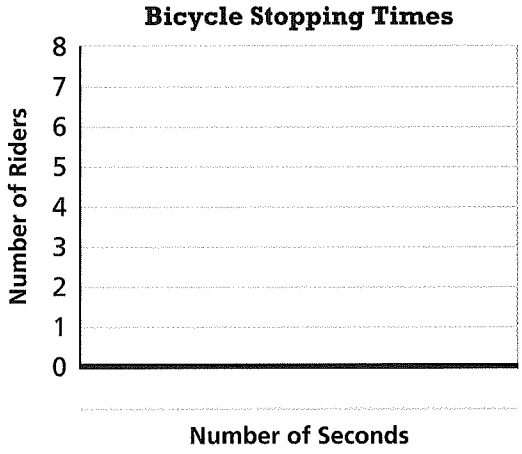
Bicycle Stopping Times (in seconds)
15, 25, 11, 8, 10, 21, 18, 23, 19, 9, 14, 16, 24, 18, 10, 16, 24, 18, 9, 14

15. Reasoning Todd wants to know how many people took 20 seconds or more to stop a bike safely. Would a frequency table or a histogram be the better way to show this? Explain.

16. Higher Order Thinking When organizing the data, what interval should Todd use? Explain.

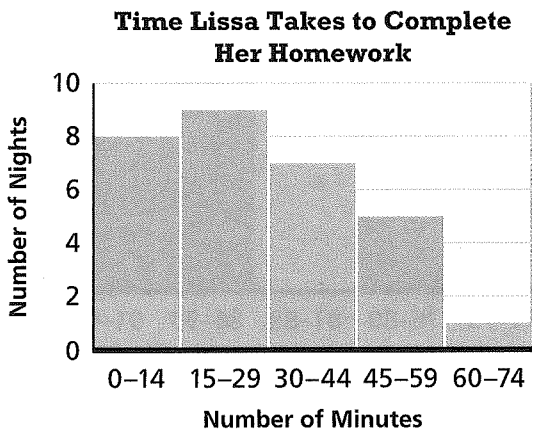
17. Model with Math Make a frequency table and histogram for the data.

Time (in seconds)	Tally	Frequency



Assessment Practice

18. Lissa recorded the time it took her to complete her homework each night for one month.



According to the histogram, which statements accurately describe Lissa's data? Select all that apply.

- ☐ Lissa worked on her homework for at least an hour one time.
- ☐ On more than half of the nights in the month, Lissa spent less than 30 minutes on her homework.
- ☐ The most time spent on homework each night was between 15 and 29 minutes.
- ☐ It took between 15 and 29 minutes more often than it took between 30 and 59 minutes.
- ☐ There were 31 days in that month.