Name _____ Date _____ Class _____

LESSON 6-5

Practice B

Line Plots, Frequency Tables, and Histograms

Fill in the frequency table.

1. Hockey players voted for a team name. The results are shown in the box. Which name got the fewest votes?

Bears	Wildcats	Bulldogs	Lions	Bears	Wildcats
Bears	Bears	Wildcats	Bears	Lions	Bears

Frequency Table for Hockey Team Name Votes				
Team Name	Bears	Wildcats	Lions	Bulldogs
Frequency				

2. Make a line plot of the data.

Number of Goals Scored by 24 Hockey Players											
0	2	4	2	1	0	2	5	3	2	1	3
0	1	4	3	1	2	3	1	4	5	1	2

Number of Goals Scored

3. How many players scored 5 goals?____

4. How many players scored 2 goals?____

5. What was the mean number of goals?_____

6. What was the median number of goals scored?_____

7. Use the data in the box below to complete the frequency table with intervals.

Ages of Hockey Fans Polled at Tonight's Game									
14	10	38	54	27	29	7	16	10	45
18	21	9	36	25	17	39	33	26	30

Ages of Hockey Fans Polled at Tonight's Game						
Ages	1–10	11–20	21–30	31–40	41–50	51–60
Frequency						

8. To which age group did the most fans belong? _____

Name _____ Date _____

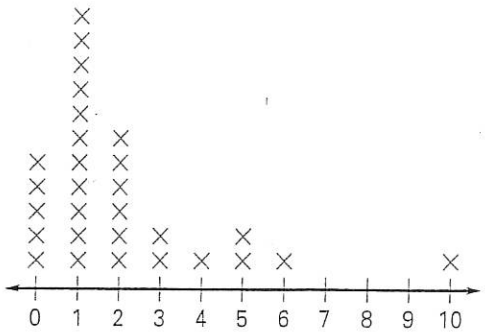
Chapter 6 Line Plots

A **line plot** uses a number line to show how often data values occur.

EXAMPLE Each student in Mrs. Wagner's science class named the number of their pets at home. Use a line plot to display the data.

3, 5, 2, 1, 0, 2, 1, 0, 1, 1, 6, 1, 4, 1, 2, 3, 2, 1, 1, 1, 0, 10, 5, 1, 0, 1, 2, 2, 0

Number of Pets



HINT
Each x in the line plot represents one data value.

Use the data from the Example.

1. How many students have exactly 1 pet at home?

2. How many students have exactly 8 pets at home?

3. How many pets do exactly 6 students have at home?

4. What number of pets is the most common for these students?

5. How many students have at least 1 pet at home?

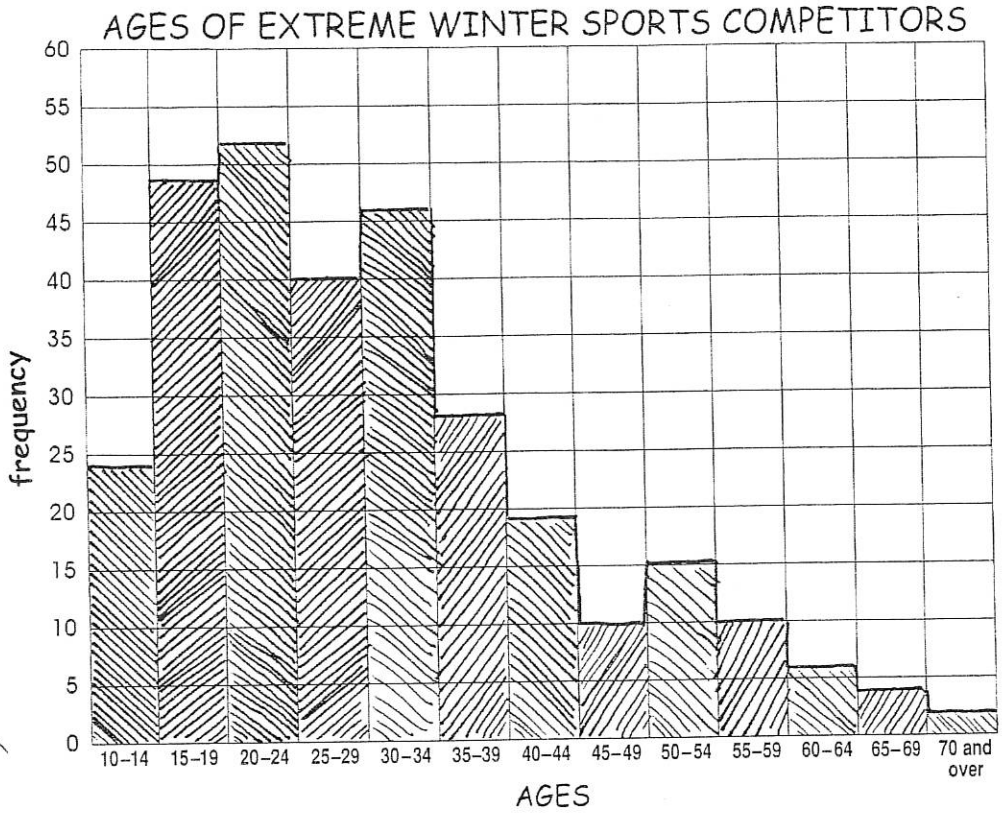
6. Name the *outlier*, a data value much less or greater than the others.

7. How many students are in Mrs. Wagner's science class?

WINTER EXTREMES

Competitors have been braving extreme weather conditions (blizzards, winds, and cold temperatures) to win medals in extreme winter sports. There is an extreme difference in the ages of the athletes this year.

Use the data on the histogram (frequency graph) to find out about their ages.



1. Which age group has 19? _____
2. Which age group has 6? _____
3. Which age group has 28? _____
4. Which age group has 46? _____
5. Which age group has the most? _____
6. About 25 are in the _____ age group.
7. About 35 are _____ or older.
8. About how many are 60 or older? _____
9. About how many are aged 10–19? _____
10. Which has about 20 less than the 30–34-year old group? _____
11. Which groups have less than the 45–49-year old group? _____
12. Which two groups have the same number? _____
13. Which 10-year age span has about 30 competitors? _____
14. Which group has a number closest to the 10–14 age group? _____
15. Which has about seven times as many competitors as the 60–64-year old group? _____
16. Does the 35–39-year old age group have more than any younger groups? _____

Name _____