Reteaching — Topic 18

Set A, pages 430–431

These frequency tables use numbers to show how many times a response to a survey occurs.

Survey A

Favorite Video Games

Snowboarding	6
Save the Whales	5
Pro Hockey	4

Survey B

Number of Video Games Owned

2 games	4
3 games	6
4 games	2

Remember that survey results can also be shown on a line plot. Each X represents one response.

1. Which survey gathered facts and which gathered opinions?
   Survey A: opinions; Survey B: facts
2. What question do you think was asked in each survey?
   See margin.
3. Show the Survey B data set on a line plot.
   See margin.

Set B, pages 432–435

Use the picture graph to determine how many books were read in March.

Books Read

Month	Books
Jan.	📘📘📘📘
Feb.	📘📘📘📘📘📘
Mar.	📘📘📖

Key: 📘 = 2 books

Since each symbol represents 2 books, this means that 5 books were read in March.

Use the double-bar graph below. What does the length of the longest bar represent?

Sweater Cost

The longest bar shows that Brand B cost $70 in 2007.

Remember that a double-bar graph uses two different-colored or shaded bars to show two similar sets of data.

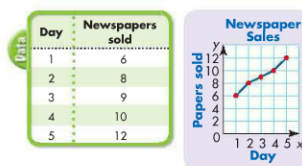A picture graph is easy to use when the data involves multiples of the same number.

For **1** and **2**, use the picture graph at the left.

1. How many books were read in February? **11 books**
2. What was the total number of books read for the three months? **24 books**

For **3** through **5**, use the double-bar graph at the left.

3. How much more did Brand A cost in 2007 than in 2000? **$30**
4. Which brand increased the most in price from 2000 to 2007? **Brand B**
5. What does the length of the shortest bar represent? **Brand B cost $20 in 2000.**

Set C, pages 436–439

Make a line graph for the data.

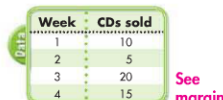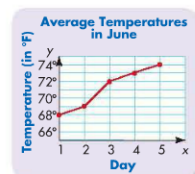| Day	Newspapers sold
1	6
2	8
3	9
4	10
5	12

To make a line graph:

1. Use grid paper to draw a coordinate grid.
2. Label the axes.
3. Number each axis with a consistent scale.
4. Plot the ordered pairs and connect the points.

Remember that line graphs show data that change over time.

1. Make a line graph for the data.

Week	CDs sold
1	10
2	5
3	20
4	15

See margin.

2. Describe the trend.

The temperatures are increasing.

Set D, pages 440–442

The sizes of jeans in stock in one store are listed below in inches.

31, 32, 41, 44, 33, 21, 22, 32, 36, 37, 42, 29

A stem-and-leaf plot can display the data.

1. List the numbers in order from least to greatest: 21, 22, 29, 31, 32, 32, 33, 36, 37, 41, 42, 44
2. List the tens digits in order (20, 30, 40) to the left of the vertical line.
3. For each tens digit, record the ones digits, in order, to the right of the vertical line.

Jean Sizes

Stem	Leaf
2	1 2 9
3	1 2 2 3 6 7
4	1 2 4

KEY: 2 | 1 = 21

Remember to write the data in order from least to greatest before making your stem-and-leaf plot.

For **1**, use the stem-and-leaf plot at the left. **1–3 See margin.**

1. How many pairs of jeans in stock had waist sizes greater than 30 inches? How did the stem-and-leaf plot help you find your answer?
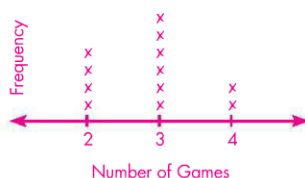
For **2** and **3**, make a stem-and-leaf plot.

2. Math scores: 75, 86, 92, 90, 88, 79, 95, 98, and 85.
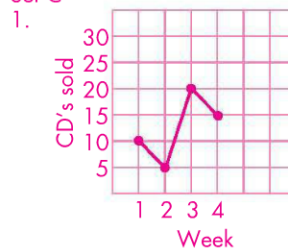3. Daily high temperatures: 28, 32, 27, 34, 38, 48, 50, 47, 34, 38, 49

Set A

2. Sample answers: What is your favorite video game? How many video games do you own?

3.
Number of Video Games Owned

Number of Games

Set C

1.

Set D

1. 9 pairs; I counted all the leaves for the stems 3 and 4.

2. **Math Scores**

Stem	Leaf
7	5, 9
8	5, 6, 8
9	0, 2, 5, 8

Key: 7|5 = 75

3. **High Temps**

Stem	Leaf
2	7, 8
3	2, 4, 4, 8, 8
4	7, 8, 9
5	0

Key: 2|7 = 27