# Reteaching

### Set E, pages 444-445

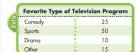
David made a histogram to show how many books his class had purchased in the last year.



Using the histogram, find the number of students who purchased 3–5 books. Notice the bar with the 3-5 interval has a height of 8. Therefore, the number of students is 8.

Set F, pages 446-448

A group of 100 students were asked to name their favorite type of television program. Make a circle graph to show the results.



**Comedy** = 25 out of  $100 = \frac{1}{4}$ **Sports** = 50 out of  $100 = \frac{1}{2}$ 

**Drama** = 10 out of  $100 = \frac{1}{10}$ 

Other =  $\frac{15}{100} = \frac{3}{20}$ 

Draw a circle with sectors for  $\frac{1}{2}$ ,  $\frac{1}{4}$ , and  $\frac{1}{10}$  and label those sectors with the program type. The remaining sector shows  $\frac{3}{20}$  or Other.

## Remember that histograms are a

type of bar graph that has no space between the bars and the bars show equal intervals.

Use the histogram at the left to answer the following questions.

- 1. How many students were surveyed? 20
- 2. How many students had bought more than 5 books? 6
- 3. What fraction of the students bought 9, 10, or 11 books?

## Remember that a circle graph shows

the whole amount (100%) and each sector represents a part of the whole amount.

Jill spent a total of 30 hours exercising last month: Jogging: 15 hours; Cycling: 10 hours; Swimming: 5 hours.



- 1. Copy the circle graph and label each sector with the activity and fraction.
- See margin.

  2. What fraction represents the part of the day Jill spent cycling?

Reteaching

Find the mean, median, mode, and range for this set of data: 10, 13, 20, 12, 10

To find the mean, find the sum of the data and divide by the number of numbers.

10 + 13 + 20 + 12 + 10 = 65

Set G, pages 450-453

 $65 \div 5 = 13$  The mean is 13.

To find the median, list the data in order from least to greatest, and find the middle value.

10, 10, 12, 13, 20 The median is 12.

To find the mode, find the value that occurs

#### The mode is 10.

Set H. pages 454-455

To find the range, subtract the least value from the greatest value.

20 - 10 = 10 The range is 10.

# 87, 84, 90, 75, 100, 88 25

Students were asked to name their favorite animal. Make a bar graph to show the results.





Remember that making a graph makes it easy to visualize data and answer questions about the data.

Remember that if there is an even

number of values, you must add the

is ordered from least to greatest, and

1. Find the mean of this data set: 13, 16, 25, 22, 19

2. Find the mean of this data set:

3. Find the range of this data set:

4. Find the median of this data set:

27, 21, 24, 32 25.5 5. Find the mode of this data set:

12, 6, 9, 5, 8, 12, 8, 1, 4, 12, 6

Find the range of this data set:

3, 5, 9, 2, 4, 6, 6

19, 2, 8, 6, 10, 4

then divide by 2 to find the median.

two middle numbers when the data set

Monthly Snowfall				
Month	Dec.	Jan.	Feb.	Mar.
Inches	6	12	18	4

- 1. Make a line graph of the data.
- See margin.

  2. Which month has a snowfall 3 times as great as December? February

**Topic 18 Reteaching** 



