

Warm-up

For 1-3, use these numbers

2 3 5 5 6 7 8 9 13 14 16

1. Find the mode.

5 The most common number.

2. Find the mean.

8 Sum of items divided by # of items.

3. Find the median.

7 The middle # when arranged in numeric order.

4. If some people in a group of 13 do not wear glasses, how many might wear glasses? 12

1-4 Cautions in Using Statistics

To find out how much television their students were watching, every teacher at CHS put the following multiple-choice question at the end of their 6th period class on Friday.

How much television do you watch each day?

- a. none
- b. only a little
- c. some
- d. a lot
- e. too much

The question is too vague. What might be "only a little" to one might be "a lot" to another.

Also, since the question is on a test, the responses are not anonymous and some students, feeling their teacher might think they watch too much television, might choose an answer that indicates less time.

1-4 Cautions in Using Statistics

Talk it Over pg. 23

Results of a survey should be

1. Free of bias
2. Representative of the population
3. Clear and precise
4. Interpreted and presented accurately

Otherwise, survey results will often produce misleading information.

Copy the yellow box on page 24 in your notes. This will be on the unit test.

1-4 Cautions in Using Statistics

Page 25 Sample 2

What type of graph would present an accurate picture of the data?

A bar graph whose bars represent red, blue, green, black, white, silver, and other.

The bars could be arranged in descending order of sales from left to right.

Data for HW question 16c.

Population of Cities (9/07)

China	1.37B
India	1.13B
Japan	127M
Germany	82.4M
France	127M
Italy	58.15M
US	301.14M
UK	60.77M