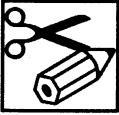


Warm Numbers

Leader



Finding the average (mean) of a group of numbers is a skill needed for estimation, research, and statistics as well as problem solving.



You will need:

- Newspaper weather reports
- Map or globe (optional)
- Calculator (optional)



Do this:

- Assist student with activities.
Student should
 1. Determine situation (A).
 2. Record data (B).
 3. Add data (C).
 4. Divide sum by number of addends (D).
 5. Use information to respond to questions (D).
 6. Complete independent activity by repeating #1 to #5.



Mean is another name for *average*. Each is found by adding all items, then dividing that sum by the number of items (addends). The arithmetic *mean* is a term used in statistics. It is a measure of central tendency along with median and mode.



Student _____



Do this:

- A. Frederick's family is going on a vacation to DisneyWorld in Orlando, Florida. His mother asked him to determine the average noon temperature so that he and his sister could select the proper clothes to take.
- B. For the next five days, Frederick recorded the temperatures published in the newspaper. On Monday he found that the noon temperature was 90°F, on Tuesday 76°F, Wednesday 83°F, Thursday 88°F, and on Friday 89°F.
- C. Next, he found the sum of the five temperatures to be _____.
- D. Finally, he determined the average by dividing this sum by the number of addends (five). Fred rushed to tell his mother that the average noon temperature was _____°F and that the family should take clothes for (warm, cool) weather.

- Select a vacation site for your family.
- Using the newspaper weather reports, record the temperature published for your chosen vacation site for five, six, or seven days.
- Find the average (mean) temperature for your vacation site.
- Make a bar graph of the daily temperatures you recorded.

Temperature

Day



WHAT I FOUND