



GRADE 5 MATHEMATICS—Unit 4

Dear Parents,

Here is what your child is learning in Grade 5, Unit 4 along with some specific ways you can help. Look for additional newsletters for upcoming units.

STATISTICS

Students need to:

- Organize data using a variety of graphic displays.
- Analyze and interpret graphs, including stem and leaf plots. (Note: Stem and leaf plot is a method of organizing data for the purpose of comparison.)
- Compute and compare the mean, median, mode, and range of data sets.

Examples:

1. Given the set of data below, construct an organized stem-and-leaf plot.

Scores on the unit math test: 97, 73, 85, 64, 71, 87, 99, 88, 73, 71, 72, 98, 70, 88, 64, 64

Sample response:

<i>Math Test Scores</i>	
6	4 4 4
7	0 1 1 2 3 3
8	5 7 8 8
9	7 8 9

Key: 6 | 4 = 64

2. Compute the mean, median, mode, and range of the scores.

Sample response:

The mode is 64. The median is 73. The mean is 79. The range is 35.

Vocabulary

Median: the midpoint of a set of data. If all of the pieces of data are lined up in order, the median is the value that divides the data in half.

Mode: the value in a data set that occurs most often.

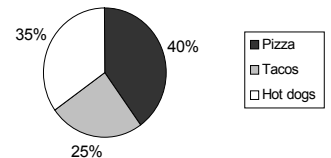
Mean: sum of the data values divided by the number of data items.

WAYS PARENTS CAN HELP

Here are some activities you and your child can do together:

- Read charts, tables, and graphs in newspapers and magazines. Discuss the information that each display shows.

Fifth Grade Favorite Foods



- Listen to the weather report on TV or radio and keep a list of the daily high or low temperatures. After two weeks, make a stem-and-leaf plot to display the data. Find the median and mode. Use a calculator to find the mean.
- List the ages of family members. Determine the mean and median. Discuss how the mean and median compare.

For additional activities, visit www.ed.gov/pubs/parents/Math