



# SECOND GRADE MATHEMATICS – Cluster 5

Dear Parents,

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

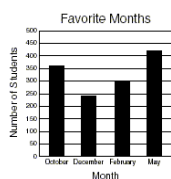
## STATISTICS

*Students need to:*

- Gather data to answer a question by conducting a survey.
- Collect, organize and display data using tables, scaled pictographs and single bar graphs. (scales of 1:1 and 2:1)
- Describe, interpret, and compare data from tables, pictographs, and bar graphs using a variety of categories and intervals of 1, 2, 5, and 10.

## KEY VOCABULARY

*Bar graph:* used to display countable data



Elements:

- Title
- Scale
- Labels
- Horizontal or vertical bars

*Pictograph:* used to display countable data



Elements:

- Title
- Pictures or symbols
- Key
- Labels

*data:* collection of information gathered from observation, questioning or measurement and displayed in a graph or table for analysis

*table:* mathematical information organized in columns and rows

| Teacher | Number of girls | Number of boys |
|---------|-----------------|----------------|
|         |                 |                |
|         |                 |                |

*survey:* collect information from a set group

## WAYS PARENTS CAN HELP

- Create a chart for the types of food in the food pyramid. Keep track of what you eat for one week. Display the data in a bar or pictograph and look at what healthy foods you are eating.
- Look through the kitchen pantry. Make a table and collect data on what different three dimensional shapes you find. Display your data in a bar graph. Discuss your findings.
- While traveling, keep track of the out of town license plates that you see on the highway. Display your data in a table or graph. Which state did most of the cars travel from?
- Look for charts and graphs in the newspaper. Discuss the data with someone in your family.
  - What does the information tell us?
  - What are the parts of the graph?
  - What kind of graph is it?
  - Could the data be displayed another way?
  - What is the scale used? Why did they choose that scale?