Dear Family,

During the next few weeks, our math class will be learning about different kinds of graphs, statistics, and functions.

You can expect to see work that provides practice with finding the mean, median, and mode of a set of data. Here is a sample that you may use as a guide.

Mean, Median, and Mode

Aubrey received these grades on 5 math tests: 88, 68, 94, 95, 98, 85

The **mode** is the most frequent score. No score occurs more than once. This data has no mode.

The **mean** is the sum of the scores divided by the number of scores.

**Step 1** Add. 88 + 68 + 94 + 95 + 98 + 85 = 528

**Step 2** Divide \( \frac{528}{6} = 88 \) The mean is 88.

The **median** is the middle value when the data is written in order from least to greatest.

**Step 1** Order the test scores. 68, 85, 88, 94, 95, 98

**Step 2** Select the middle score. If there is no middle score use the number halfway between the two middle values. You can use the average of the two middle numbers. \((88 + 94) \div 2 = 91\)

The median is 91.

During this unit, encourage your child to find a set of scores, such as prices of the same item in different stores, and describe the data using mean, median, and mode.

Sincerely,

Your child’s teacher

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**Vocabulary**

- **mean** The number found by dividing the sum of a group of numbers by the number of addends. In arithmetic, the mean is also called the average.
- **median** The middle number when a set of numbers is arranged in order from least to greatest.
- **mode** The number or numbers that occur most often in a set of data.
- **circle graph** A graph used for data that are parts of a whole.
- **line graph** A graph that uses a broken line to show changes in data.
- **histogram** A graph in which bars are used to display how frequently data occurs within equal intervals.

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