

Dear Family,

During the next few weeks, our math class will be learning about data, graphing, and probability.

You can expect to see work that provides practice with line plots, pictographs, and bar graphs. Students will also explore probability and make predictions about outcomes.

As we learn about probability, you may wish to use the following as a guide.

### Vocabulary

**line plot** A diagram that organizes data above a number line.

**pictograph** A graph that represents data by pictures.

**bar graph** A graph in which information is shown by means of rectangular bars.

**probability** The chance of an event occurring.

**outcome** A result in a probability experiment.

### A Probability Experiment

There are 18 red marbles, 6 blue marbles, and 1 green marble in a bag. Pick a marble out of the bag without looking. Record the color and place the marble back into the bag.

What can we say about this experiment?

- It is **likely** that you will pick a red marble. It is **unlikely**, but possible that you will pick a green marble. It is **impossible** that you will pick a yellow marble.
- If this experiment is repeated 100 times, you may expect red marbles to be picked most often, and green marbles to be picked least often.

Understanding data and probability will help students evaluate the information they encounter in the real world.

Sincerely,

Your Child's Teacher



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