

Your child can make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Your child can use operations on fractions to solve problems involving information presented in line plots.

- Collect real-world data using fractions ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$) and create a line plot to display the results visually.
- Use the results of the line plot to make observations and/or inferences about the data.
- Answer questions using a line plot that has already been created.
- Use fraction operations of addition, subtraction, multiplication, and division to solve real-world problems using line plots.
- Find the mean (average) of a set of data by leveling off the line plot and redistributing the data equally.

HELP AT HOME

- ▶ Create problems with equal distribution (e.g., Six containers are the same size. One container is $\frac{1}{2}$ full, another is $\frac{1}{8}$ full, and the remaining ones are $\frac{1}{6}$ full. How much liquid would be in each container if the liquid were distributed equally?).
- ▶ Create a line plot with whole numbers, $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$ marked on the line plot.
- ▶ Use the line plot to answer real-world questions (e.g., How much is $\frac{1}{4}$ tsp of vanilla plus $\frac{1}{2}$ tsp of vanilla?).

