

Central Dauphin School District
 Grade 4 Math: Unit 5 Parent Letter
 Line Plots and Statistical Displays



Dear Parents,

Over the next few weeks, we will be learning about **line plots** and **statistical displays** in math! The information below will help you to support your child as they learn these exciting, yet important fourth grade math skills.

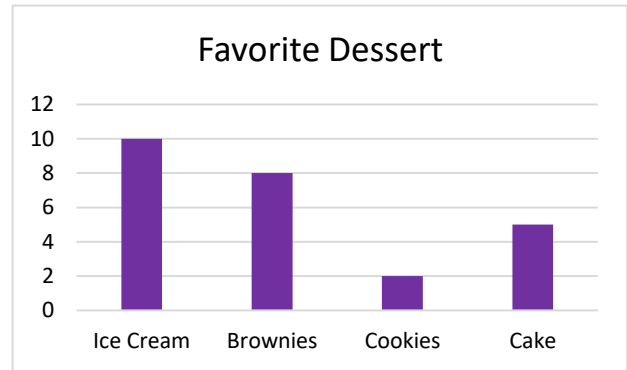
The GOAL:

By the end of the unit, your child should be able to solve problems involving fractions on a line plot and interpret, analyze, and transfer information from one type of display to another.

Tally Chart

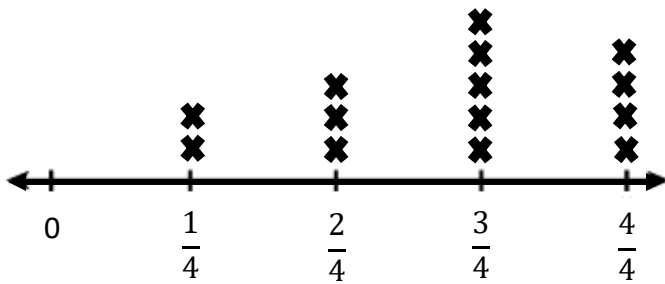
Favorite Dessert		
Dessert	Tally Marks	Number
Ice Cream	### ###	10
Brownies	### III	8
Cookies	II	2
Cake	###	5

Bar Graph



Student will use the information from one display and transfer the same information to another display. In this case, students will transfer the data from the tally chart to make a bar graph.

Line Plot



Length of Nails Collected (inches)

A **line plot** is a way to show data using an **X**. In the line plot to the left, each **X** represents the number of nails that were found measuring a specific length, in inches.

In the line plot, what is the length of the longest nail? What is the length of the shortest nail?

How many nails are $\frac{3}{4}$ inch long?

How much longer is the longest nail than the shortest nail?

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Grade 4 Math: PA Core Math Standards in Unit 5

CC.2.4.4.A.2: Translate information from one type of data display to another.

CC.2.4.4.A.4: Represent and interpret data involving fractions using information provided in a line plot.

-- HOW YOU CAN HELP AT HOME --

- Graph how many healthy snacks are eaten each day by members of your family.
- Use a tally chart to display how many chores are done in your house each day (or week).
- Create a survey for your family and friends and analyze the results.
- Take an inventory of the toy box or playroom and record how many of each type of toy you have (cars, Legos by color, Barbie's, dolls, books, et).