



Dear Parents,

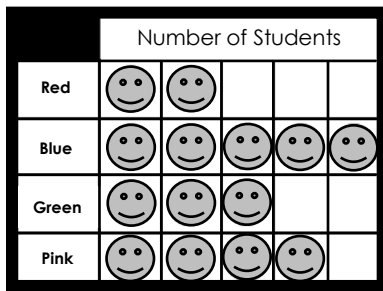
Over the next few weeks, we will be learning about **statistical displays** in math! The information below will help you to support your child as they learn these exciting, yet important fifth grade math skills.

The GOAL:

By the end of the unit, your child should be able to **understand what information a statistical display is showing.**

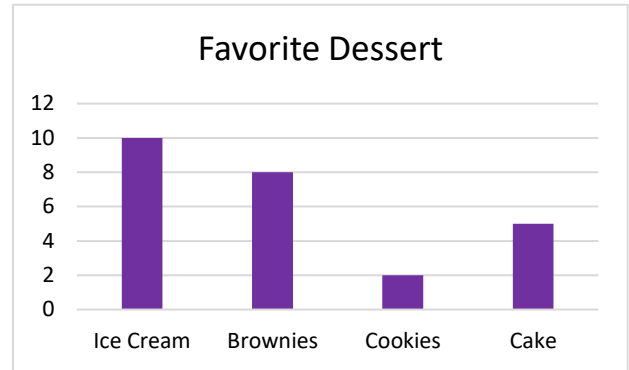
Pictograph

Students Favorite Colors



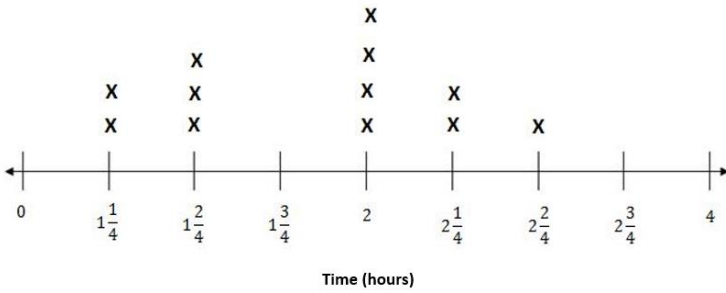
Key 😊 = 1 Student

Bar Graph

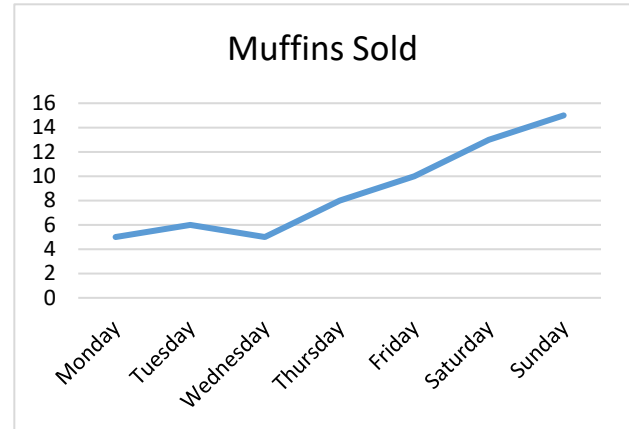


Line Plot

Hour Spent at Soccer Practice



Line Graph



Tally Chart

Favorite Pets		
Pet	Tally Marks	Number
	### ##	10
		4
	###	6

Central Dauphin School District
Grade 5 Math: Unit 3 Parent Letter
Statistical Displays



Grade 5 Math: PA Core Math Standards in Unit 3

CC.2.4.5.A.2: Represent and interpret data using appropriate scale.

CC.2.4.5.A.4: Solve problems involving computation of fractions using information provided in a line plot.

-- KEY MATH VOCABULARY --

Statistical Landmarks: statistical landmarks are key data points within a set of data. In 5th grade, the landmarks that students learn about are: minimum, maximum, range, median, mean, and mode.

For example, below is a data set that represents the temperatures for one week during the month of December.

28, 39, 33, 37, 32, 40, 39

Minimum (least value): 28

Maximum (greatest value): 40

Range (difference between maximum and minimum): $40 - 28 = 12$

Median (the middle value in a set of data arranged from least to greatest): 28, 32, 33, 37, 39, 39, 40

Mode (the value that occurs the most): 39

Mean (the average, add the values in a data set up and divide by the number of values):

$$28 + 39 + 33 + 37 + 32 + 40 + 39 = 248$$

$$248 \div 7 = 35.4 \text{ (mean)}$$

-- HOW YOU CAN HELP AT HOME --

- look through magazines and news articles and talk about some of the statistical displays that you see
- look at some of the statistics on some of your favorite athletes
- create a survey for your family and friends and analyze the results
- keep track of your grades for a subject and find the mean (average)
- look a weather app and talk about some of the statistical displays that you see