Line Plot

4TH GRADE

HOT DOG EATING CONTEST

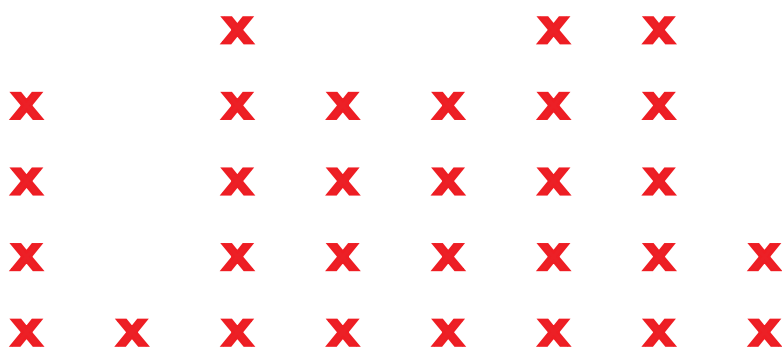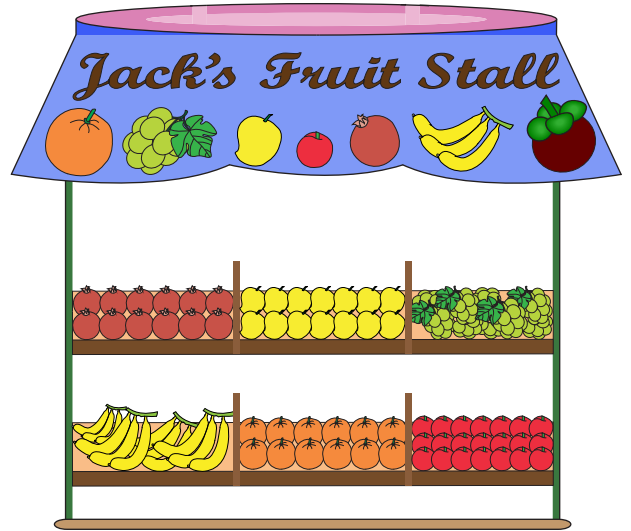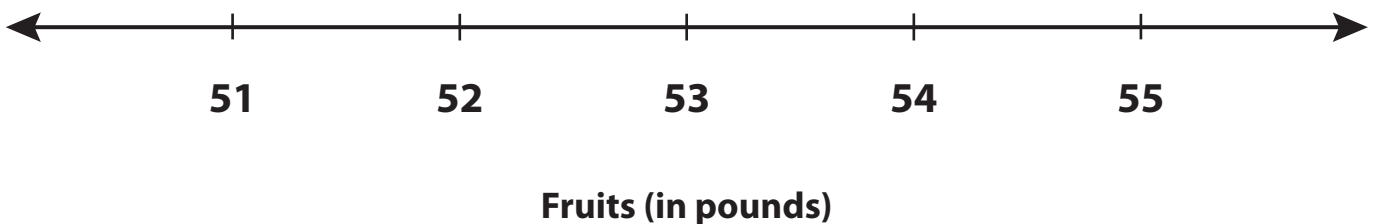|		x				x	x	
x		x	x	x	x	x	
x		x	x	x	x	x	
x		x	x	x	x	x	x
x	x	x	x	x	x	x	x
40	**41**	**42**	**43**	**44**	**45**	**46**	**47**

Workbook 1

Making a Line Plot

Jack runs a fruit stall in the local famers' market. He records the amount of fruit sold (in pounds) over a period of 14 days. Make a line plot to represent the data below.

54	55	55	53	51
51	54	53	55	51
52	55	55	53	

Jack's Stall

51   52   53   54   55
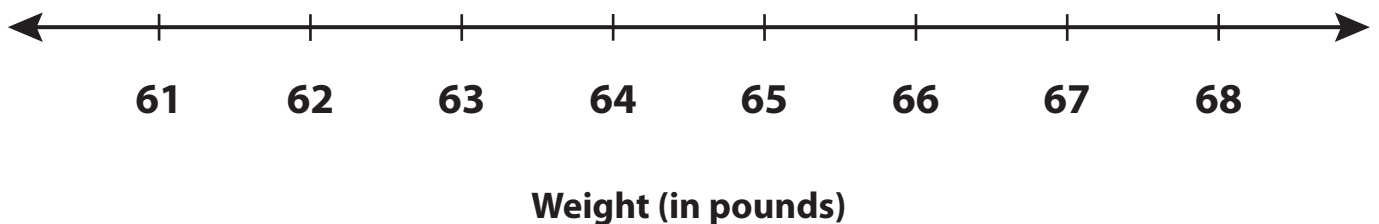
Fruits (in pounds)

Making a Line Plot

A health camp was conducted in a school for children between the ages of 8 and 10. The weight (in pounds) of 25 students were recorded. Make a line plot to represent the data.

68	65	63	63	62
64	65	61	65	61
64	66	64	61	64
65	68	62	61	62
65	63	66	67	64

Health Camp

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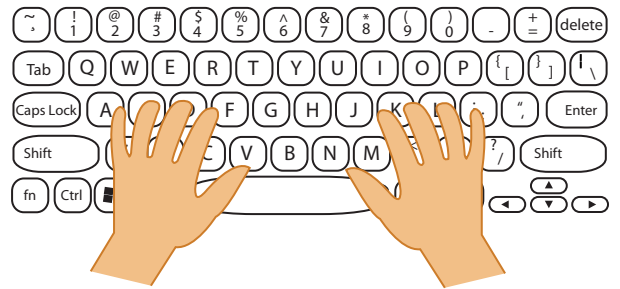   61   62   63   64   65   66   67   68

Weight (in pounds)

Making a Line Plot

Thirty students took an online typing test to determine their typing speed. Recorded and tabulated below is the typing speed (words per minute) of each student. Read the data carefully, label the axes, and provide an appropriate title. Also, make a line plot to represent the data.
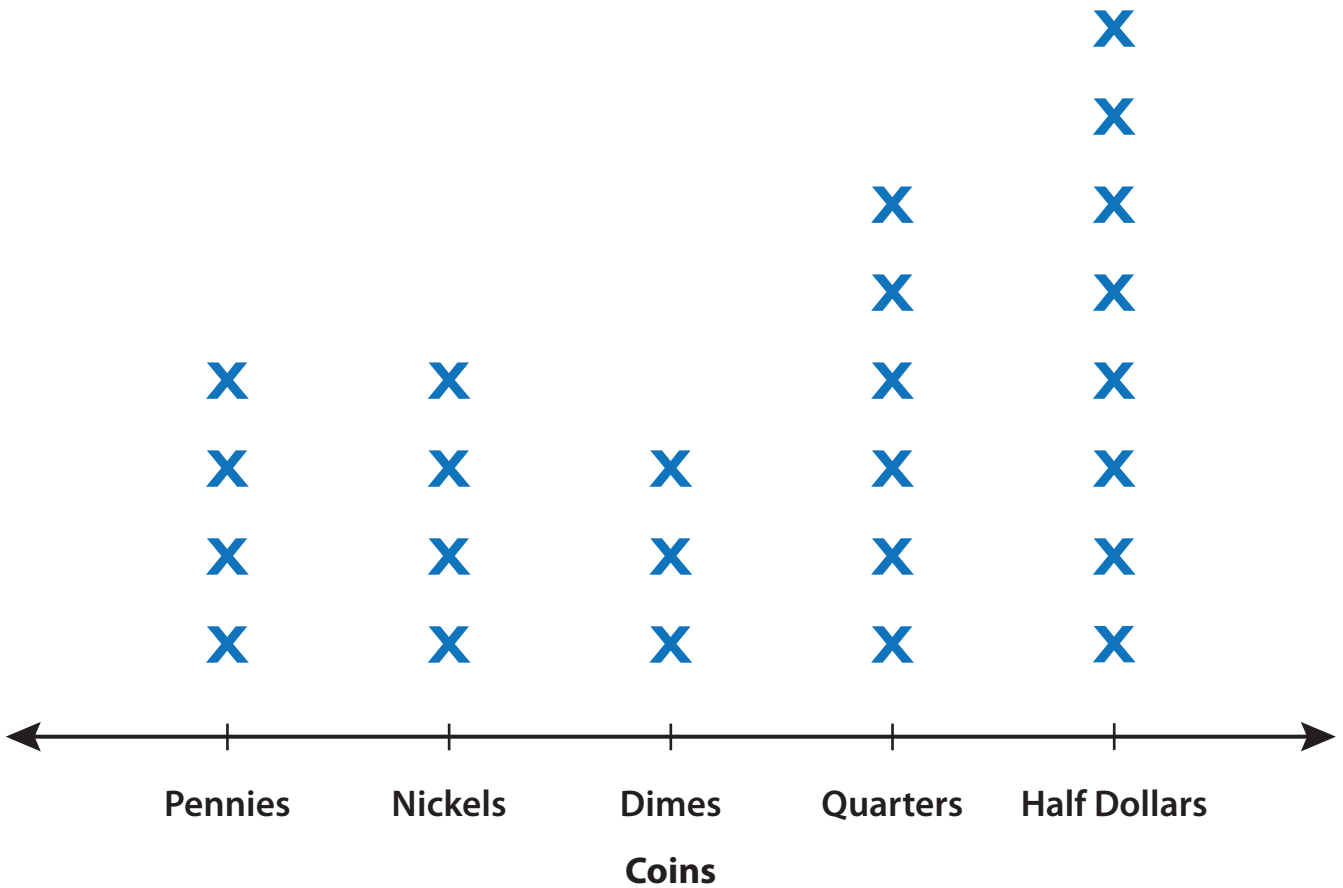
39	37	40	42	44	41
43	38	39	43	42	40
39	40	41	42	43	44
41	42	44	43	44	40
42	37	43	38	40	41

_____

37   38   39   40   41   42   43   44

_____

Interpreting Line Plot

Sarah is an avid coin collector. Her collection includes rare coins dated between the 19th and 20th centuries. She makes a line plot based on the number of coins she has collected. Read the line plot and answer the questions.
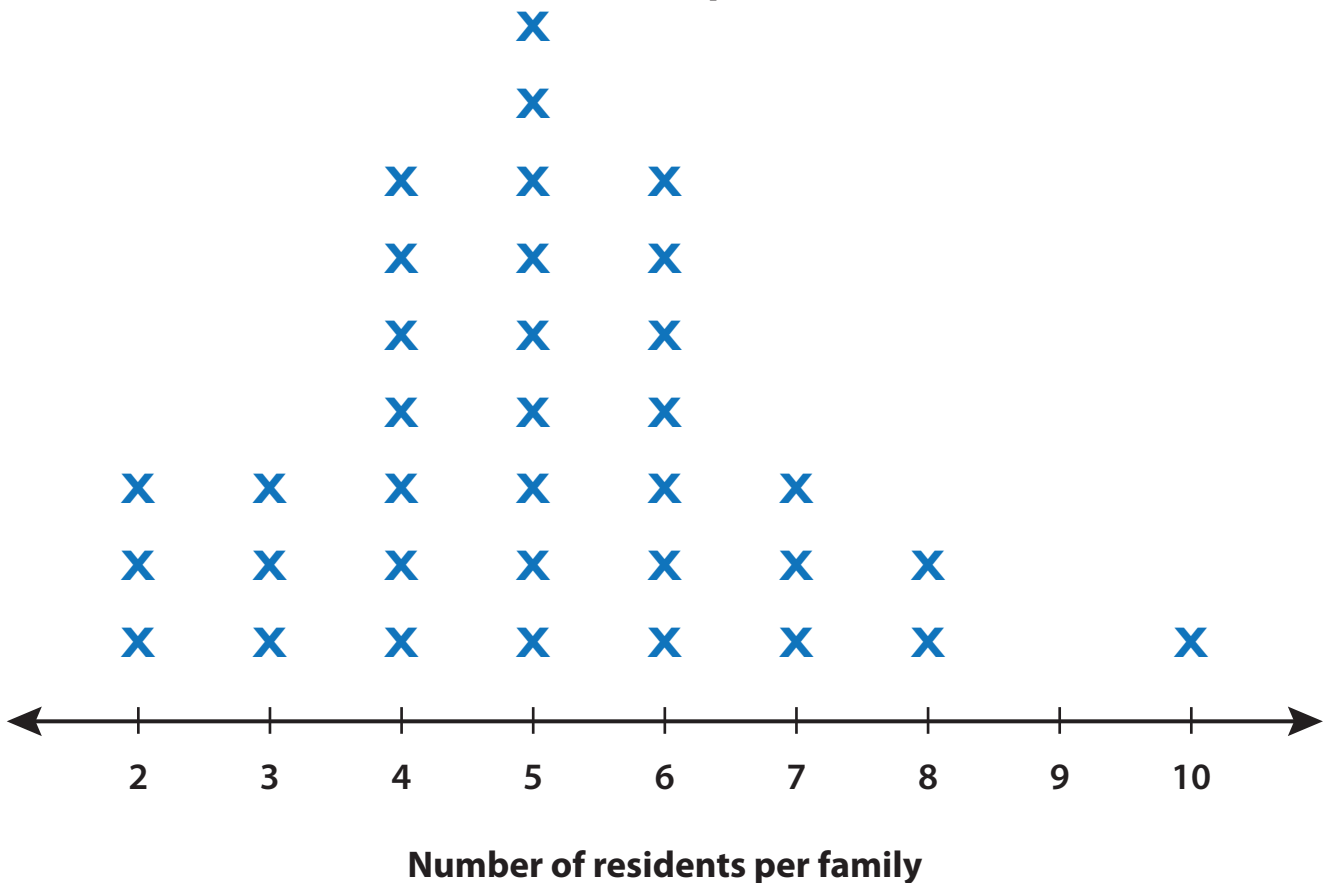
Coin Collection

				X
				X
			X	X
			X	X
X	X		X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X

Pennies   Nickels   Dimes   Quarters   Half Dollars

Coins

1) How many pennies did she collect in total? _____

2) How many fewer dimes did she collect than half dollars? _____

3) Which denomination makes up the maximum number of coins in her collection? _____

4) How many quarters did she collect in total? _____

5) How many more quarters did she collect than nickels? _____

Interpreting Line Plot

Thirty-five families reside at Brownstone apartment. A census was conducted to determine the number of people living in each family. A line plot is made based on the collected data. Read the line plot and answer the following questions.
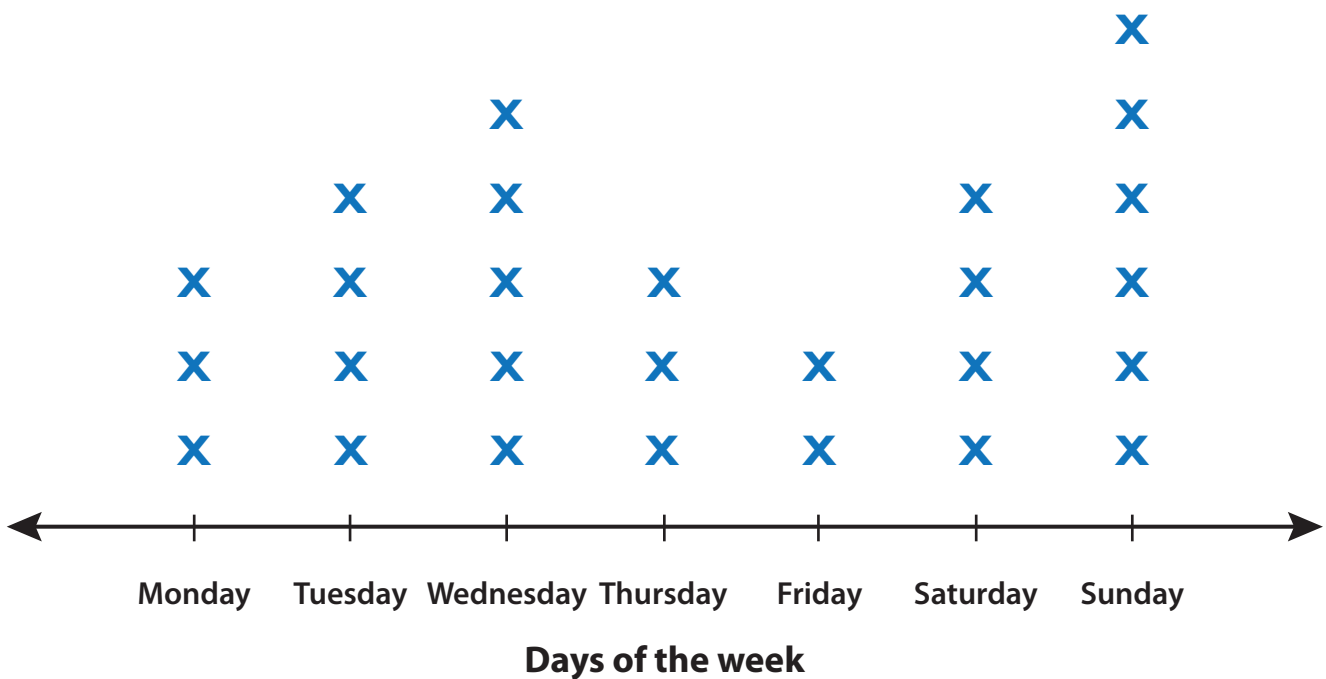
Brownstone Apartment

Number of residents per family

1) Find the mode of the data. _____

2) How many families have 4 members or more? _____

3) What is the range of the data? _____

4) How many families have the maximum number of members living in a single portion? _____

5) What is the least number of residents living in a single portion? _____

Interpreting Line Plot

Daniel, the Manager of Lava's bakery collected data on the sale of cookies made in a week. The line plot below represents the number of cookies sold within a period of seven days. Read the line plot and answer the questions.

Cookie Sales

X = 4 Cookies

Days of the week

1) How many cookies were sold on Monday? _____

2) On which day did Lava's bakery record the lowest sales of cookies? _____

3) How many cookies were sold on Wednesday? _____

4) On which day did Lava's bakery record the maximum sales of cookies? _____

5) How many cookies were sold over the weekend? _____

Make and Interpret

Ron treated his friends to ice creams on his birthday. Each of them ordered for ice-cream cones of different flavors. Read the data given below, make a line plot, and answer the questions.

Strawberry	Butterscotch	Chocolate	Vanilla
4	3	5	2

Ice-Cream Cones

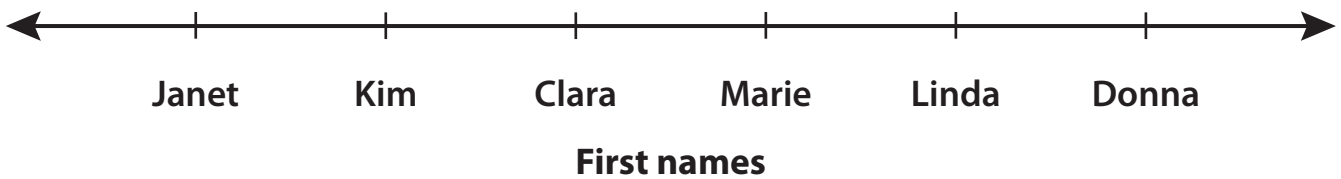Strawberry   Butterscotch   Chocolate   Vanilla

Ice cream flavors

1) How many flavors of ice cream did they order altogether? _____

2) Find the number of strawberry flavored ice-cream cones that were ordered in all. _____

3) How many orders were placed for chocolate and vanilla flavored ice-cream cones in total? _____

4) Which was the most preferred ice cream flavor? _____

5) How many more strawberry flavored ice-cream cones were ordered than butterscotch? _____

Make and Interpret

Donna and her friends downloaded android communication applications for their smartphones. The number of applications downloaded by each of them is given below. Read the data, make a line plot, and answer the following questions.

Janet	Kim	Clara	Marie	Linda	Donna
3	5	6	2	7	5

Android Communication Apps

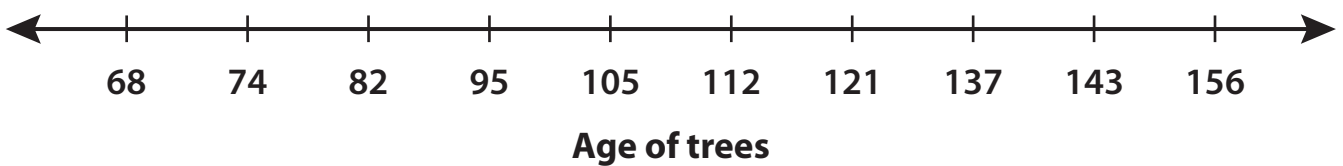| Janet	Kim	Clara	Marie	Linda	Donna

First names

1) How many android apps did Clara download? _____

2) How many of them downloaded at least four applications? _____

3) Two of them downloaded a similar number of apps. Who are they? _____

4) Who downloaded the maximum number of android apps? _____

5) How many apps did Donna and her friends download in all? _____

Make and Interpret

Kenny, a dendrologist determined the age of a variety of Pine, Fir, Maple, and Oak trees in the woods behind his home. He tabulates the data. Read the data, make a line plot, and answer the following questions.

68	105	143	95	105	74	95	121	112	95
156	121	112	137	82	121	105	95	74	82
121	105	74	105	68	156	74	137	82	105
105	112	121	74	95	156	105	95	137	121

Dendrology

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   68    74    82    95   105   112   121   137   143   156
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Age of trees

1) How many trees are more than a 110 years old? _____

2) What is the age of the maximum number of trees in the woods? _____

3) What is the age of the oldest trees? _____

4) How many trees are 121 years old? _____

5) Find the total count of trees whose ages were determined. _____