

Exploring the World of Math

Name: _____ Date: _____

Bar Chart 1

The Calorie Counter lists the top 30 fast food items with the highest calories.

1155	1165	1345	1165	1562	1255	1155	1235	1295	1325
1325	1155	1175	1245	1325	1185	1545	1245	1165	1195
1155	1213	1705	1315	1255	1165	1205	1445	1275	1255

1. Order the data and create a frequency table for the above data.
2. Create a bar chart that reflects the data from above using four bars.

A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 10 units wide by 10 units high. There are no margins or additional markings on the page.

- What is the percentage of fast food items with 1400 or higher calories?
- What is the percentage of fast food items on the list with 1300 or lower calories?
- What is the mean, median and mode for the data?

Exploring the World of Math

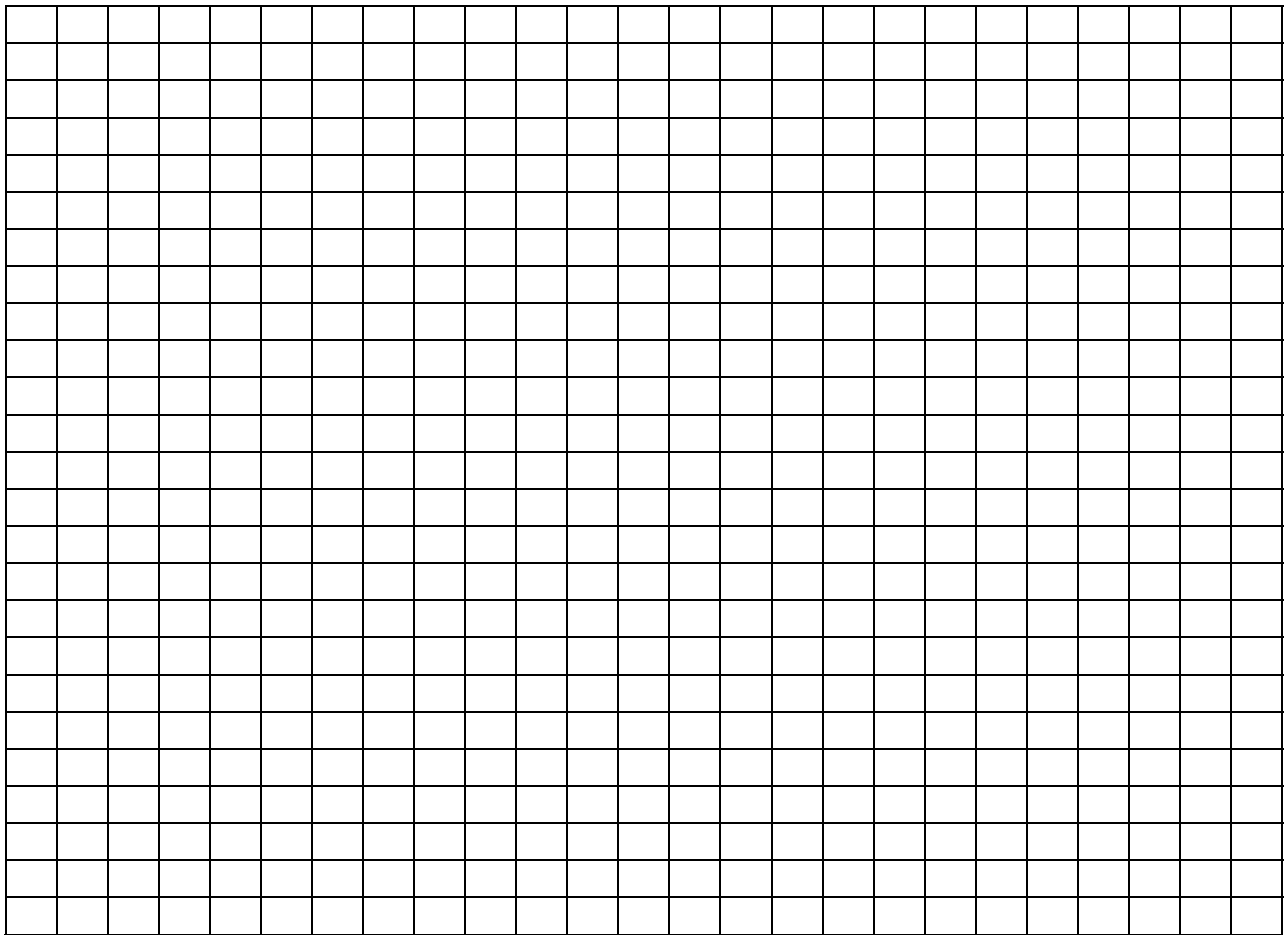
Bar Chart 2

The following data is an estimated amount that is being spent on Christmas per person.

\$ 225	\$ 125	\$ 375	\$ 625	\$ 850	\$ 545	\$ 175	\$ 625	\$ 275	\$ 385
\$ 675	\$ 225	\$ 325	\$ 100	\$ 925	\$ 775	\$ 525	\$ 125	\$ 450	\$ 425
\$ 200	\$ 280	\$ 330	\$ 475	\$ 150	\$ 795	\$ 525	\$ 150	\$ 375	\$ 575

6. Order the data and create a frequency table for the above data.

7. Create a bar chart that reflects the data from above using 5 bars



8. What is the mean median and mode?

Exploring the World of Math

9. We gave a 24-question statistics quiz on Monday to 30 students. The table below shows the results. Create a frequency table and a bar chart for the data.

22	16	13	19	22	15	18	24	21	18
10	11	12	13	14	15	17	18	14	10
17	20	22	13	11	23	23	23	18	13

Frequency Table

Bar Chart with 5 bars

10. What is the percentage of individuals that scored 20 and above?
11. What is the percentage of individuals that scored 15 and below?
12. What is the range of the data in the above table?

Exploring the World of Math

13. We have collected data on our averages after two weeks in the history class. There are 30 people in the class. Order the data from smallest to largest. Find the mean, median, mode and range for the data.

53	54	94	69	69	55	70	92	67	82
66	39	67	52	94	70	88	70	85	82
49	42	47	72	95	80	95	95	95	62

a. Smallest to largest

b. Determine the mean

c. Determine the median

d. Determine the mode

e. Determine the range

14. There are five different animals in the cages or containers. Compute the percentages and draw the pie chart. Tally the animals and divide by the total number of animals to find the percentage.

Dog	Cat	Rabbit	Dog	Cat	Dog	Cat	Dog
Mouse	Rabbit	Mouse	Cat	Rabbit	Cat	Mouse	Cat
Cat	Turtle	Dog	Mouse	Dog	Rabbit	Dog	Rabbit
Turtle	Cat	Cat	Cat	Cat	Turtle	Turtle	Cat
Rabbit	Dog	Rabbit	Rabbit	Dog	Mouse	Dog	Rabbit

Animal	Tally	Total	Percentage